

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050023.D
 Acq On : 24 Jul 2018 16:18
 Operator : MD\SY
 Sample : VN0724WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:24 PM

Quant Time: Jul 25 00:54:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	607934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	901437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	810317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	417706	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	424242	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	7.60	113	373000	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.09	98	1358186	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	439222	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	192353	22.02	ug/l	100
3) Chloromethane	2.06	50	190413	20.05	ug/l	98
4) Vinyl Chloride	2.18	62	199744	19.98	ug/l	98
5) Bromomethane	2.56	94	117453	20.56	ug/l	98
6) Chloroethane	2.70	64	115932	19.31	ug/l	97
7) Trichlorofluoromethane	3.01	101	260890	20.14	ug/l	99
8) Diethyl Ether	3.41	74	88332	20.46	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	155394	19.95	ug/l	99
10) Methyl Iodide	3.95	142	193253	19.33	ug/l	99
11) Tert butyl alcohol	4.81	59	67605	108.32	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	138319	19.74	ug/l	98
13) Acrolein	3.61	56	48059	95.84	ug/l	96
14) Allyl chloride	4.32	41	220751	20.32	ug/l	99
15) Acrylonitrile	5.00	53	286449	105.20	ug/l	99
16) Acetone	3.82	43	237252	116.43	ug/l	99
17) Carbon Disulfide	4.05	76	411209	19.16	ug/l	100
18) Methyl Acetate	4.33	43	175006	21.59	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	390622	20.92	ug/l	99
20) Methylene Chloride	4.55	84	161266	20.71	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	147848	19.91	ug/l	97
22) Diisopropyl ether	5.96	45	458565	21.29	ug/l	99
23) Vinyl Acetate	5.90	43	1583638	104.02	ug/l	99
24) 1,1-Dichloroethane	5.85	63	278278	19.75	ug/l	99
25) 2-Butanone	6.84	43	351668	108.70	ug/l	100
26) 2,2-Dichloropropane	6.83	77	227826	21.26	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	162617	20.35	ug/l	99
28) Bromochloromethane	7.20	49	130448	20.30	ug/l	98
29) Tetrahydrofuran	7.22	42	228998	109.54	ug/l	99
30) Chloroform	7.38	83	288392	20.06	ug/l	97
31) Cyclohexane	7.66	56	234629	20.04	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	242396	19.71	ug/l	99
36) 1,1-Dichloropropene	7.80	75	210109	20.69	ug/l	99
37) Ethyl Acetate	6.94	43	150706	21.28	ug/l	99
38) Carbon Tetrachloride	7.78	117	214639	19.92	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209934	20.09	ug/l	98
40) Benzene	8.05	78	632960	20.48	ug/l	98
41) Methacrylonitrile	7.18	41	75694	22.15	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	207741	20.15	ug/l	98
43) Isopropyl Acetate	8.17	43	276969	20.07	ug/l	99
44) Trichloroethene	8.84	130	164198	19.77	ug/l	96
45) 1,2-Dichloropropane	9.12	63	165905	20.27	ug/l	99
46) Dibromomethane	9.21	93	105792	20.81	ug/l	99
47) Bromodichloromethane	9.41	83	214757	20.02	ug/l	99
48) Methyl methacrylate	9.20	41	128171	21.02	ug/l	100
49) 1,4-Dioxane	9.20	88	35710	430.30	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	759756	109.15	ug/l	99
52) Toluene	10.16	92	384344	21.07	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	209027	20.65	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	238529	20.62	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	149451	20.65	ug/l	99
56) Ethyl methacrylate	10.43	69	178755	19.53	ug/l	99
57) 1,3-Dichloropropane	10.71	76	244127	20.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	408112	94.61	ug/l	100
59) 2-Hexanone	10.75	43	507438	102.33	ug/l	98
60) Dibromochloromethane	10.90	129	160911	20.09	ug/l	97
61) 1,2-Dibromoethane	11.01	107	144764	20.16	ug/l	99
64) Tetrachloroethene	10.63	164	156384	20.07	ug/l	99
65) Chlorobenzene	11.44	112	407489	19.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	157552	20.03	ug/l	100
67) Ethyl Benzene	11.51	91	675490	20.54	ug/l	100
68) m/p-Xylenes	11.62	106	526968	42.37	ug/l	100
69) o-Xylene	11.95	106	248859	20.99	ug/l	99
70) Styrene	11.97	104	400601	19.57	ug/l	100
71) Bromoform	12.13	173	114840	20.07	ug/l #	99
73) Isopropylbenzene	12.25	105	667428	20.60	ug/l	100
74) N-amyl acetate	12.07	43	199785	20.18	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	191633	21.13	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	157191m	20.25	ug/l	
77) Bromobenzene	12.53	156	177908	19.81	ug/l	99
78) n-propylbenzene	12.59	91	761047	21.02	ug/l	100
79) 2-Chlorotoluene	12.68	91	463549	20.65	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	546442	21.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49354	20.17	ug/l	96
82) 4-Chlorotoluene	12.78	91	463530	20.86	ug/l	100
83) tert-Butylbenzene	13.00	119	461252	20.74	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	557510	21.71	ug/l	100
85) sec-Butylbenzene	13.17	105	628245	21.14	ug/l	99
86) p-Isopropyltoluene	13.29	119	536938	21.45	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	305815	20.09	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	294117	19.83	ug/l	98
89) n-Butylbenzene	13.62	91	424035	20.60	ug/l	98
90) Hexachloroethane	13.88	117	102399	18.42	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	302384	19.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30406	20.59	ug/l	97

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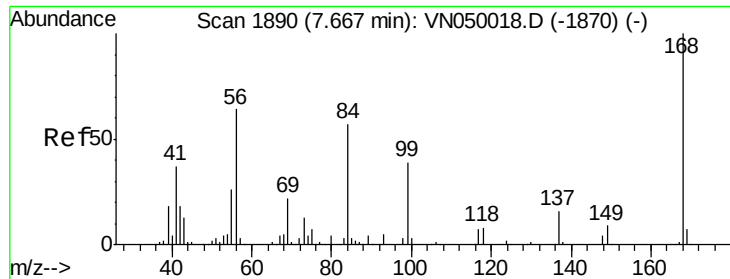
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136669	18.98	ug/l	98
94) Hexachlorobutadiene	15.01	225	95146	20.43	ug/l	97
95) Naphthalene	15.14	128	295307	18.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	142190	19.50	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion:168 Resp: 607934

Ion Ratio Lower Upper

168 100

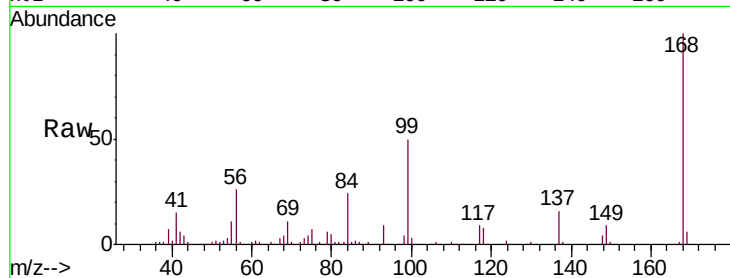
99 49.7 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

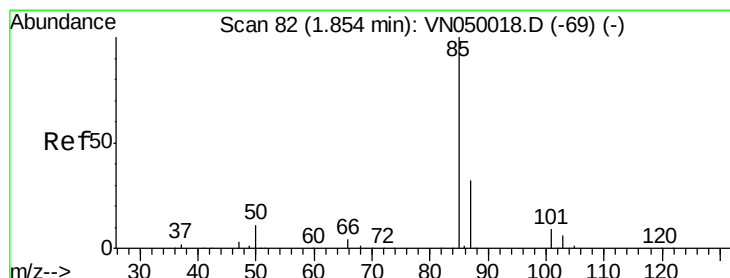
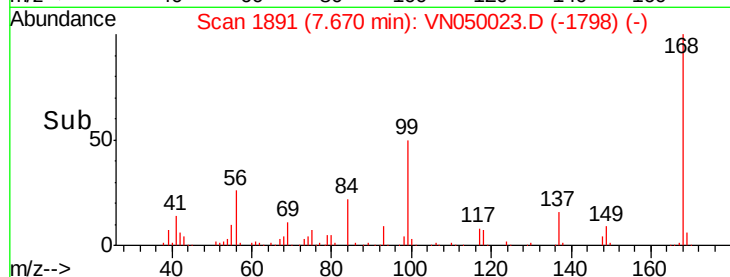
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.02 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050023.D

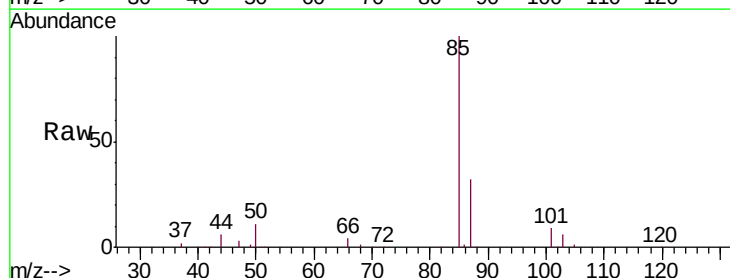
Acq: 24 Jul 2018 16:18

Tgt Ion: 85 Resp: 192353

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

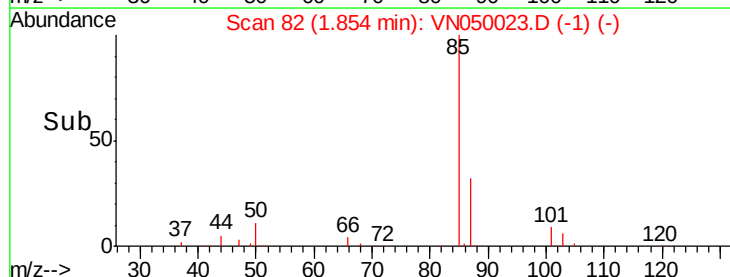
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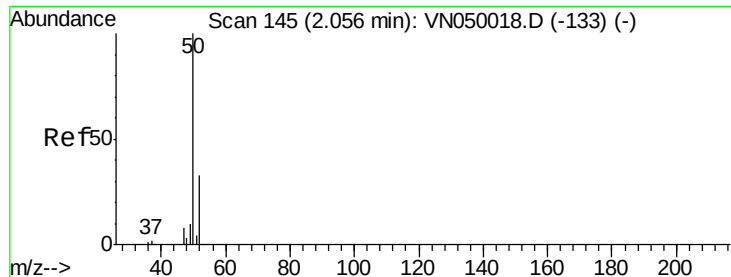
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.05 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 50 Resp: 190413

Ion Ratio Lower Upper

50 100

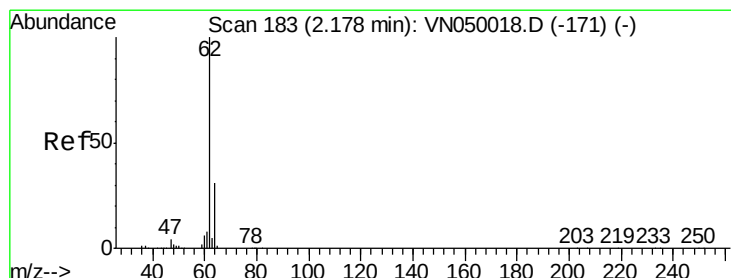
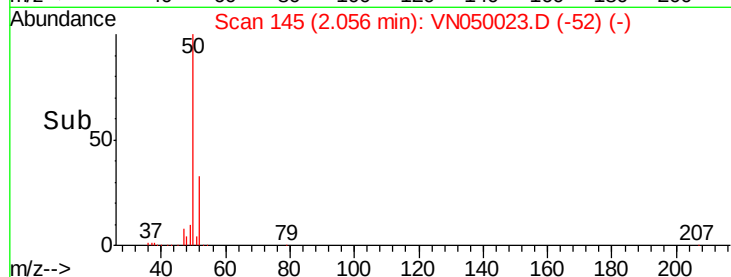
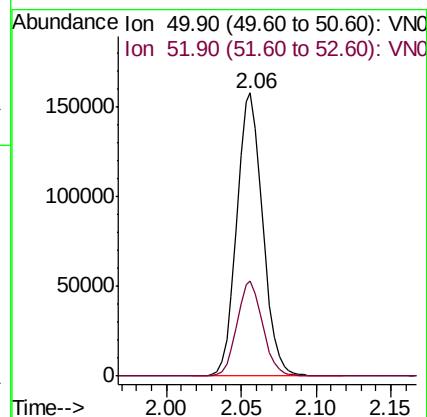
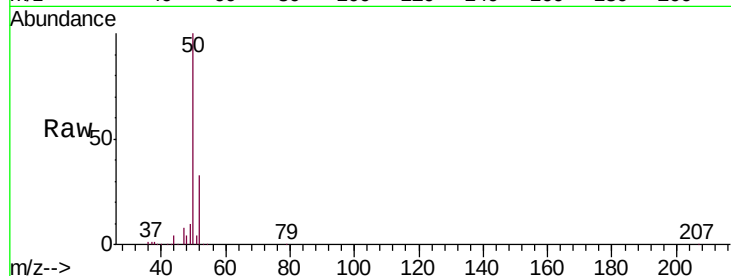
52 33.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.98 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050023.D

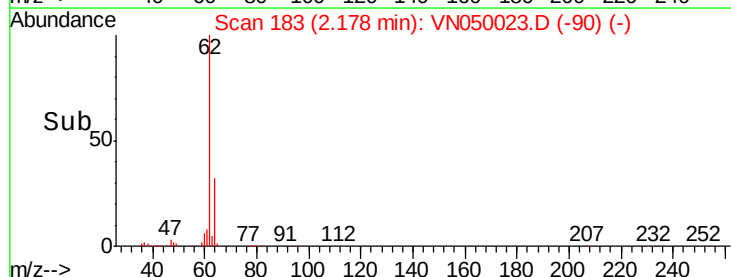
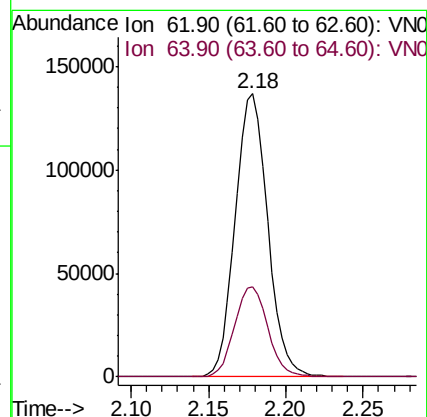
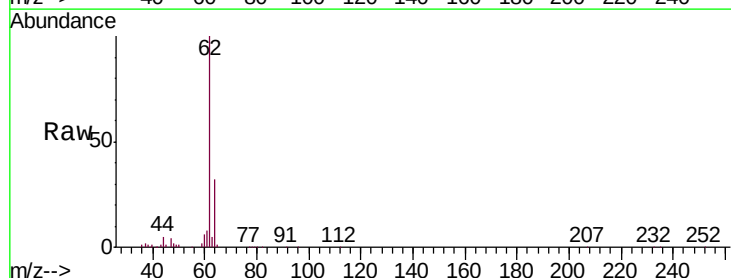
Acq: 24 Jul 2018 16:18

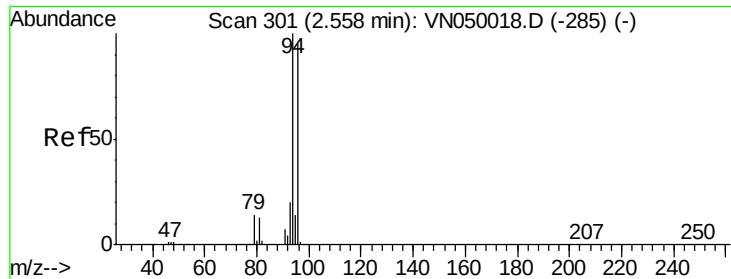
Tgt Ion: 62 Resp: 199744

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 20.56 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 94 Resp: 117453

Ion Ratio Lower Upper

94 100

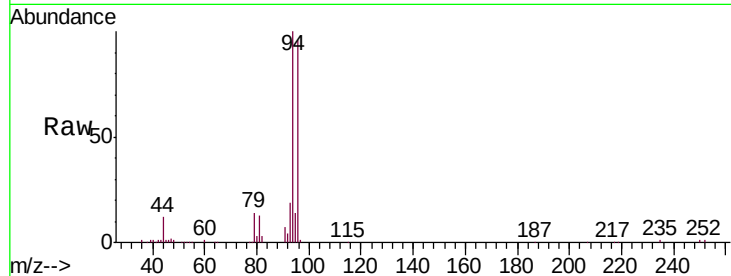
96 95.6 74.6 112.0

Manual Integrations

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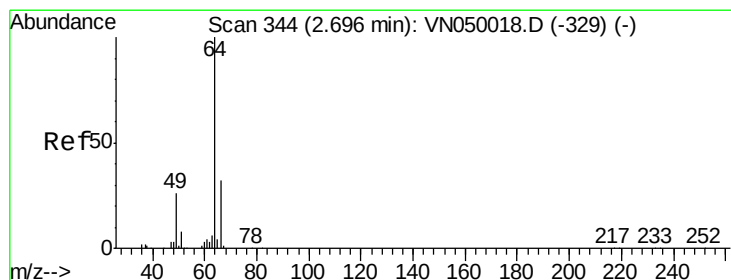
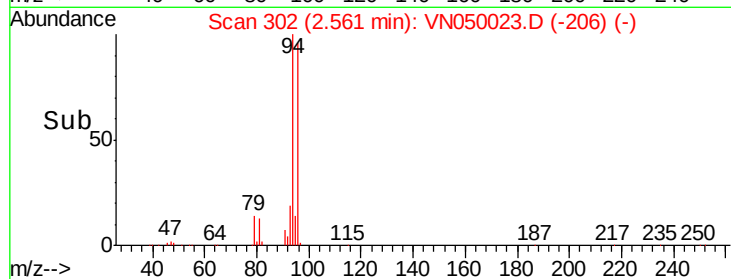
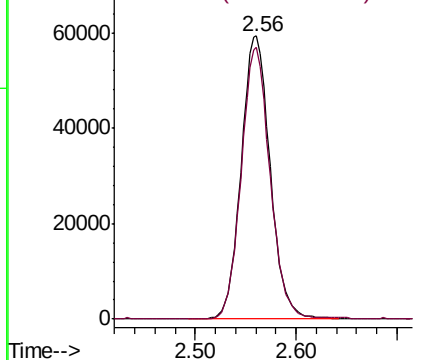
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.31 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050023.D

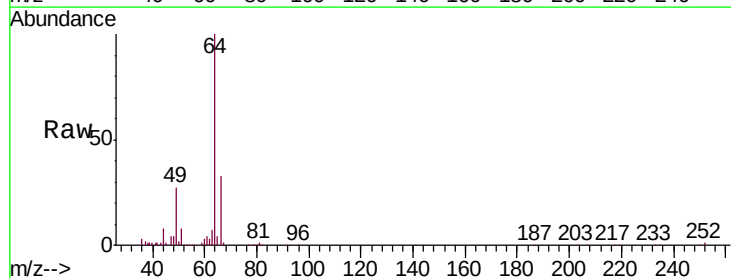
Acq: 24 Jul 2018 16:18

Tgt Ion: 64 Resp: 115932

Ion Ratio Lower Upper

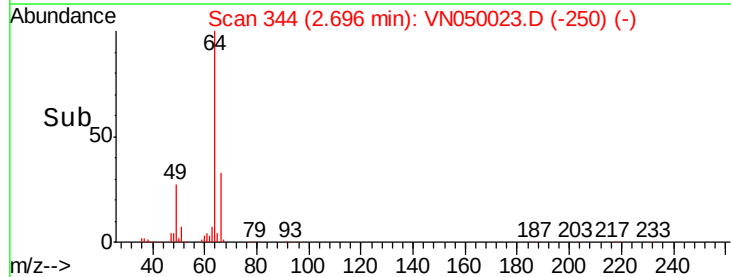
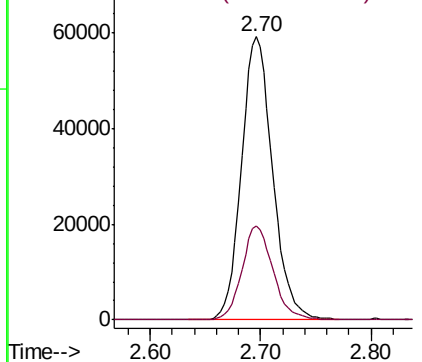
64 100

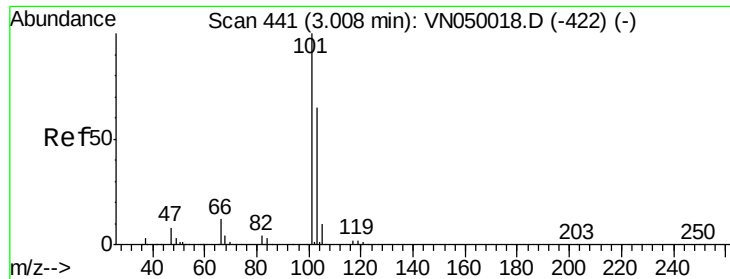
66 33.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

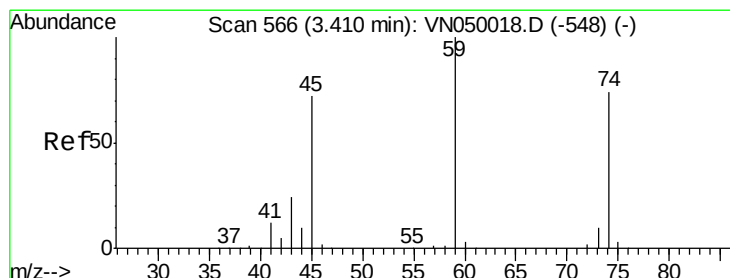
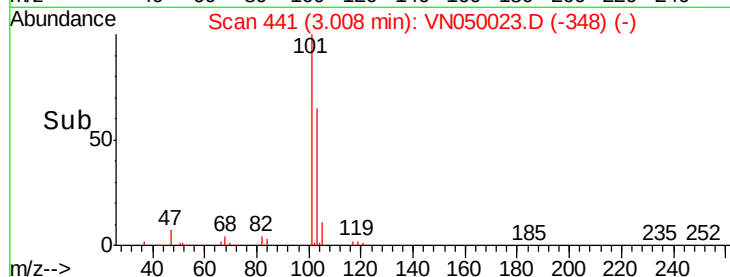
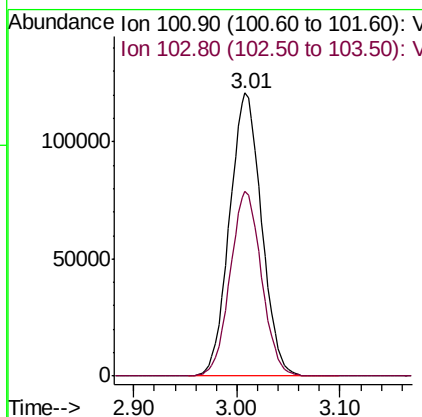
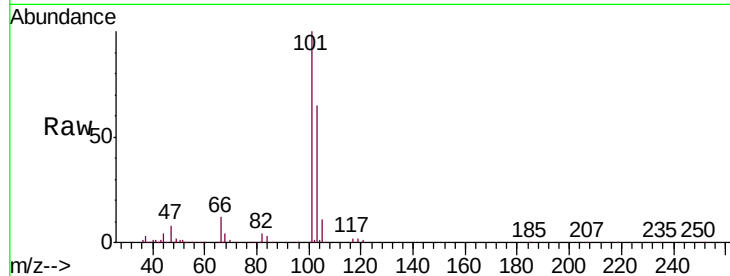
Trichlorofluoromethane
 Concen: 20.14 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
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 ClientSampled :
 VN0724WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.7	77.5

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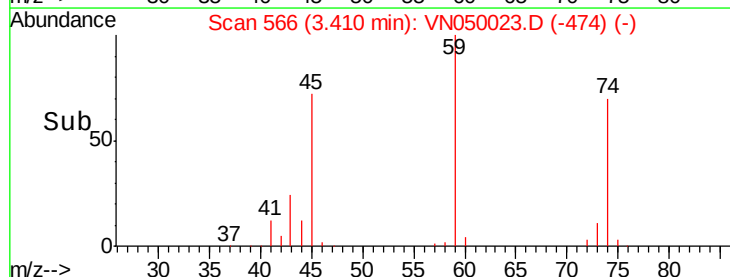
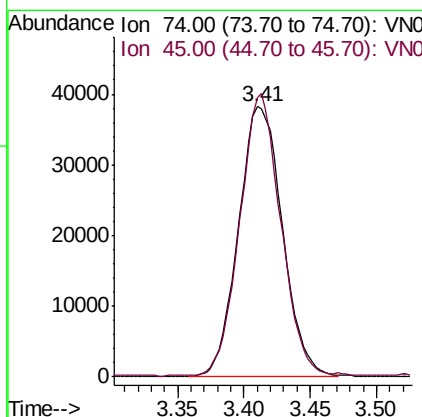
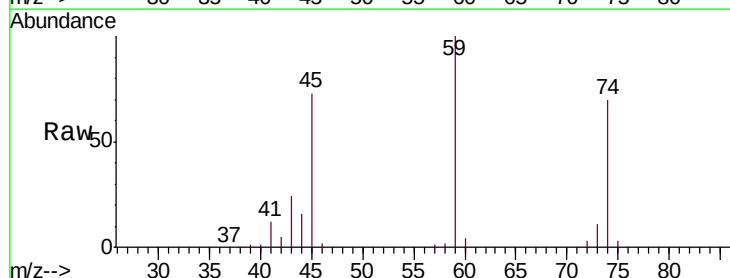
MMDadoda
 7/26/2018 1:51:24 PM

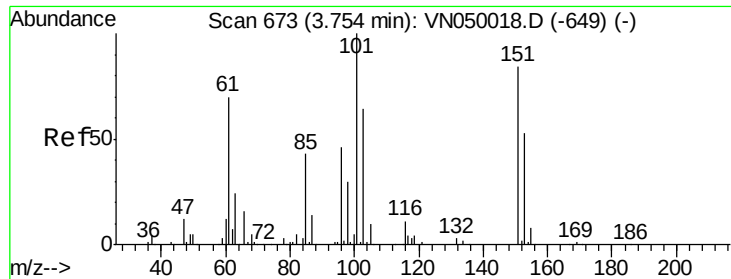


#8

Diethyl Ether
 Concen: 20.46 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.95 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

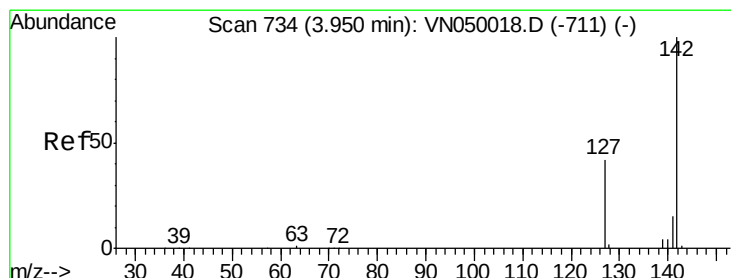
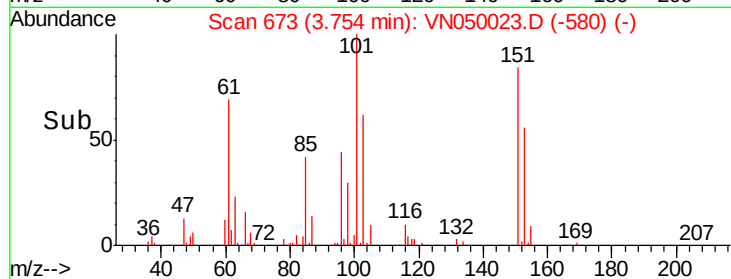
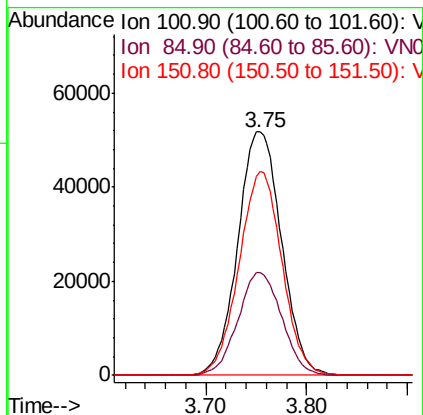
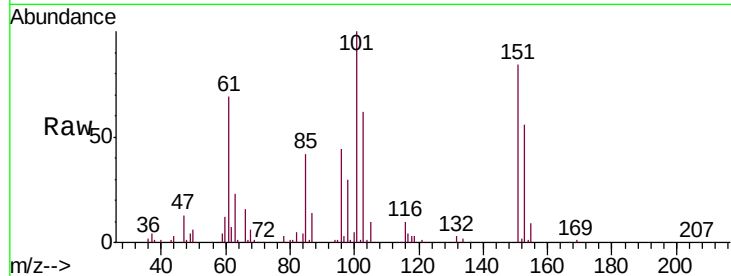
ClientSampleId :

VN0724WBS01

Tot Ion:	101	Resp:	155394
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	82.2	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.33 ug/l

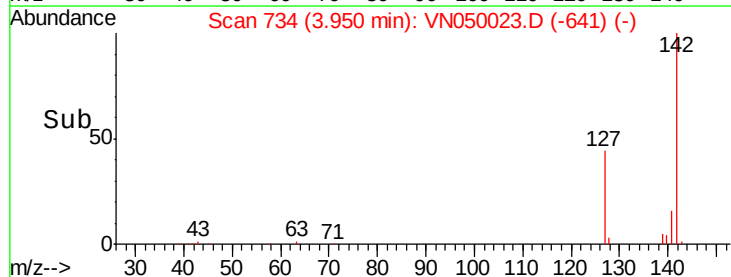
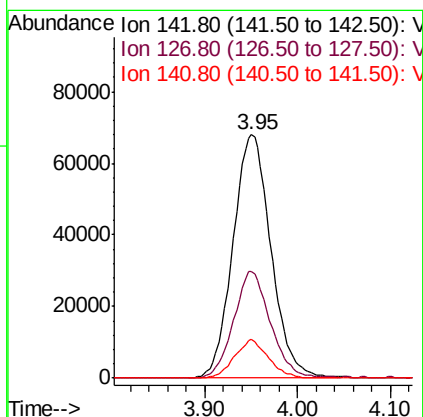
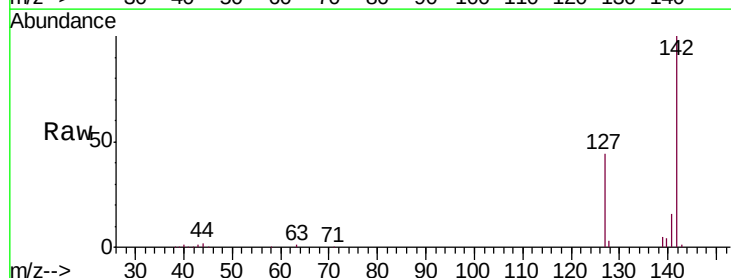
RT: 3.95 min Scan# 734

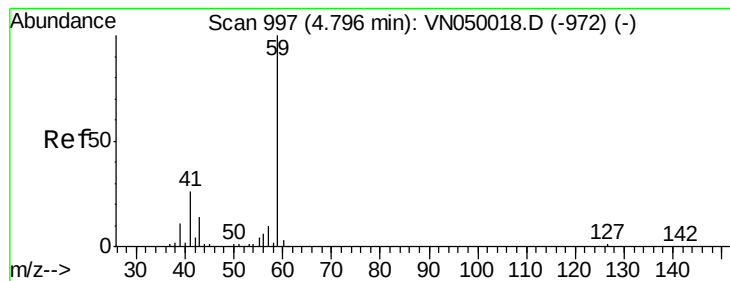
Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Tgt Ion:	142	Resp:	193253
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.4	50.2
141	14.2	11.6	17.4





#11

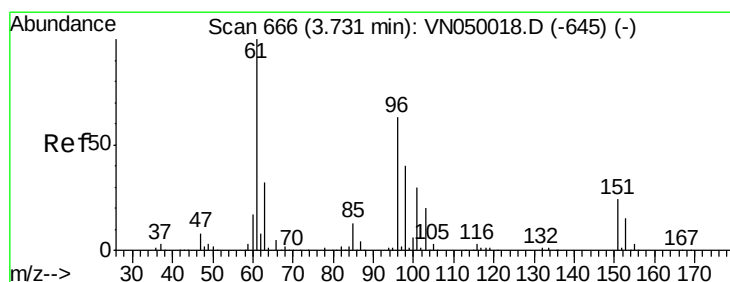
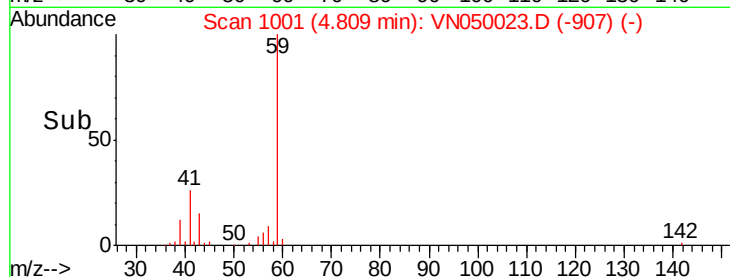
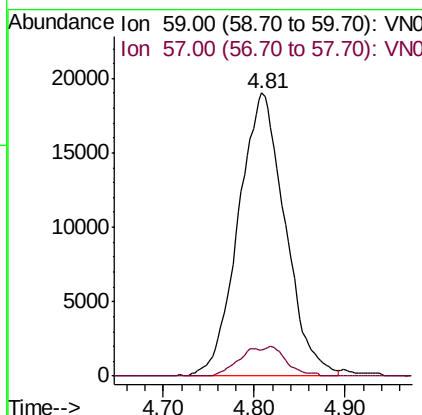
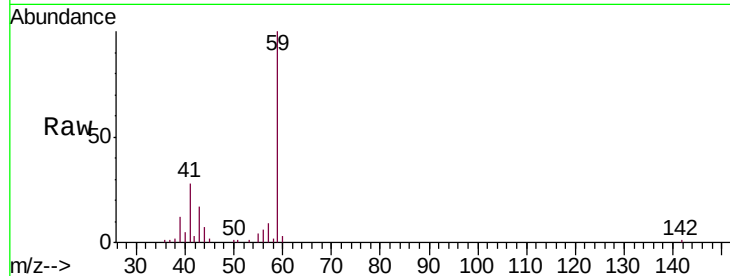
Tert butyl alcohol
 Concen: 108.32 ug/l
 RT: 4.81 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.5	12.7#

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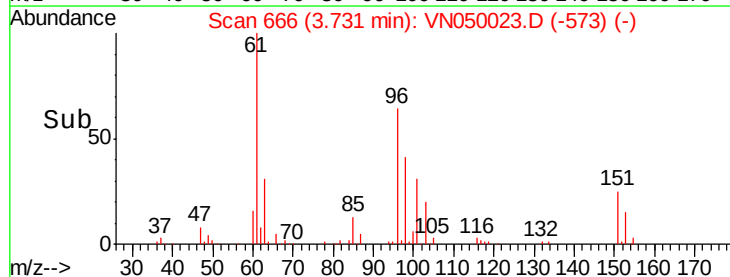
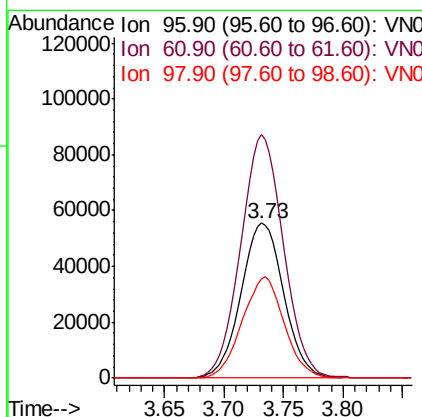
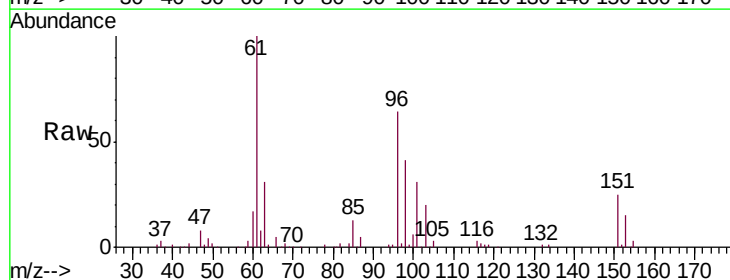
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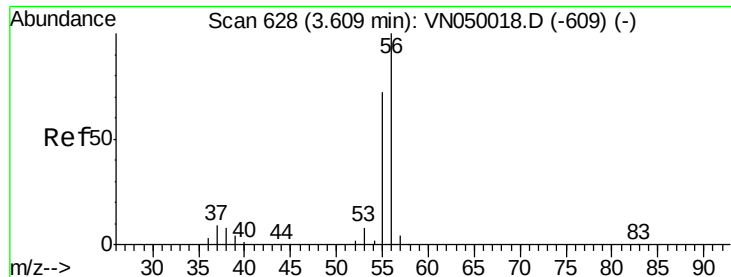


#12

1,1-Dichloroethene
 Concen: 19.74 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	124.4	186.6
98	64.2	48.3	72.5





#13

Acrolein

Concen: 95.84 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 56 Resp: 48059

Ion Ratio Lower Upper

56 100

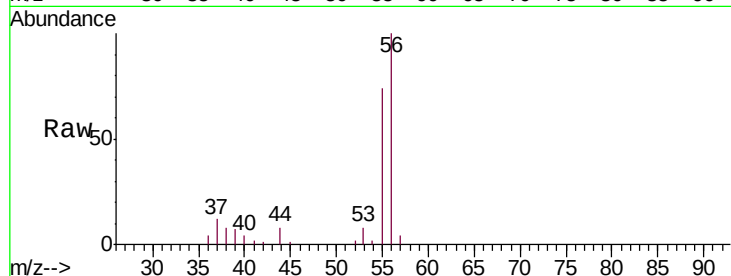
55 73.2 55.8 83.6

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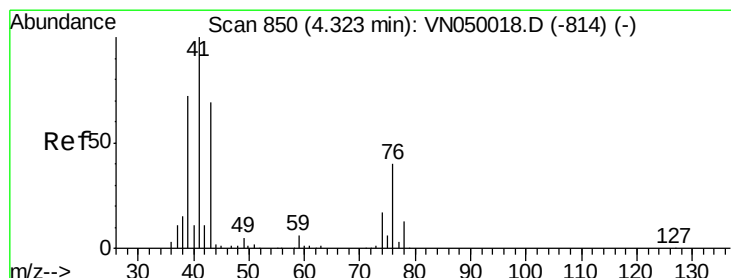
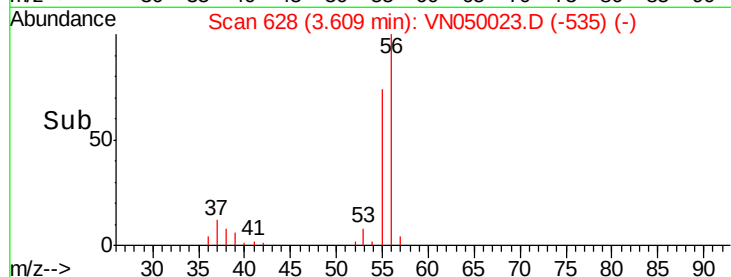
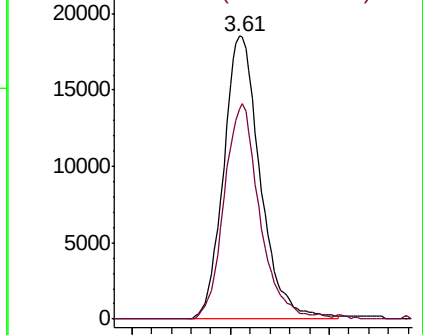
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.32 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

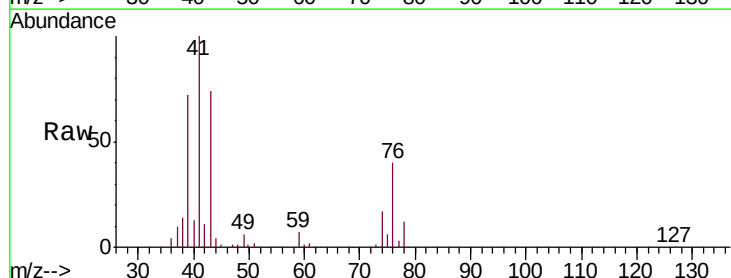
Tgt Ion: 41 Resp: 220751

Ion Ratio Lower Upper

41 100

39 67.0 54.2 81.4

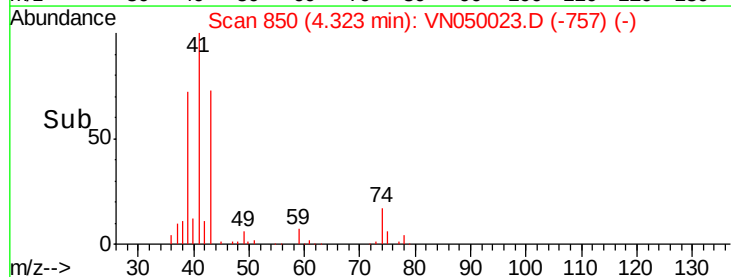
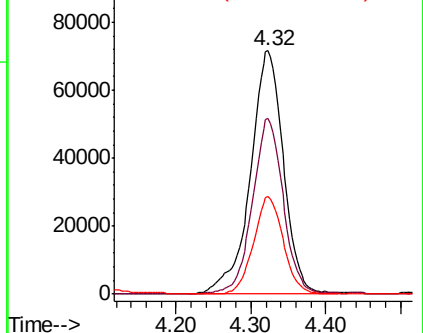
76 35.9 29.0 43.6

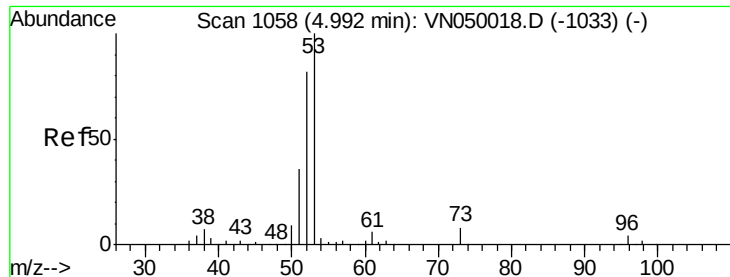


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.20 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

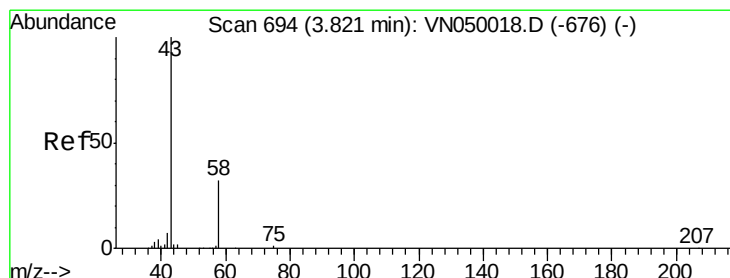
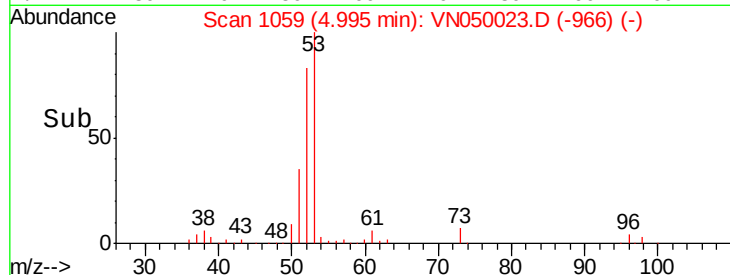
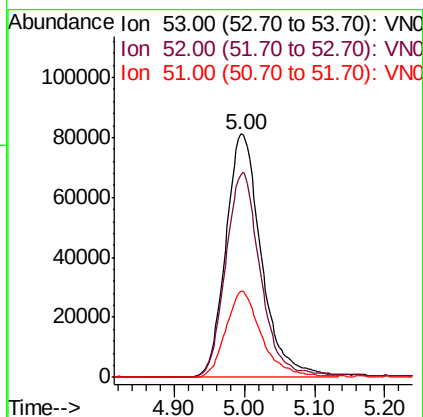
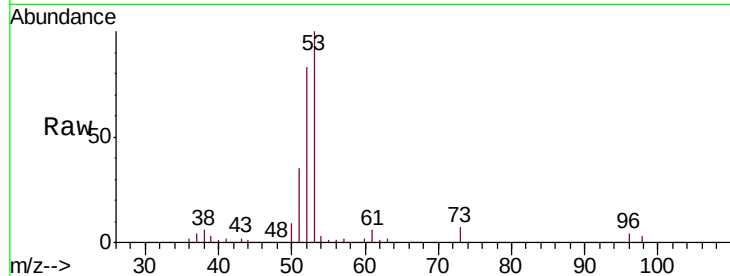
ClientSampleId :

VN0724WBS01

Tot Ion:	53	Resp:	286449
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	35.8	29.3	43.9

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#16

Acetone

Concen: 116.43 ug/l

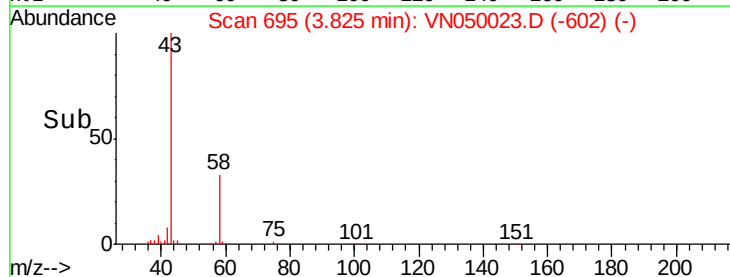
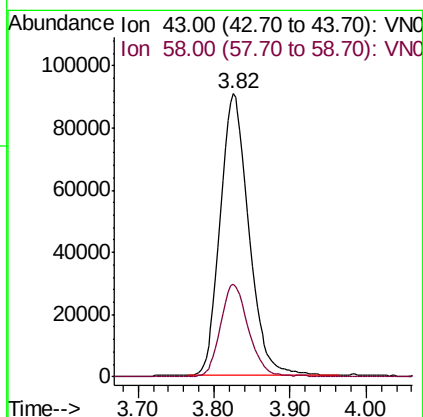
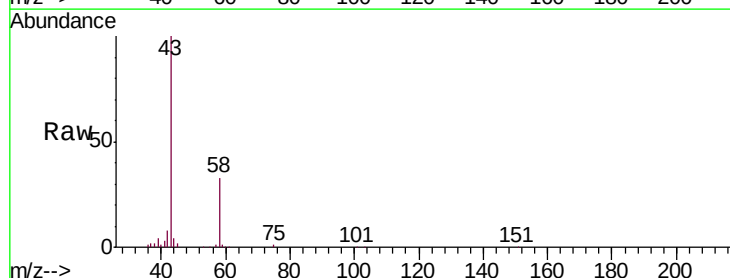
RT: 3.82 min Scan# 695

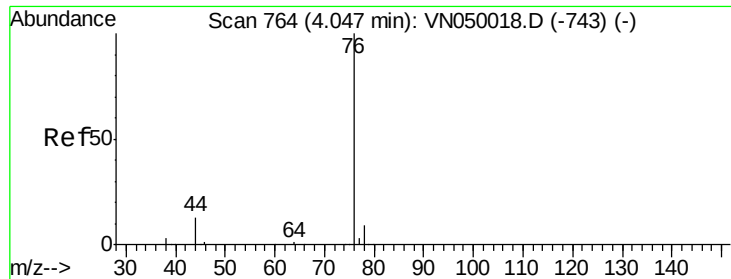
Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Tgt Ion:	43	Resp:	237252
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.8	38.8





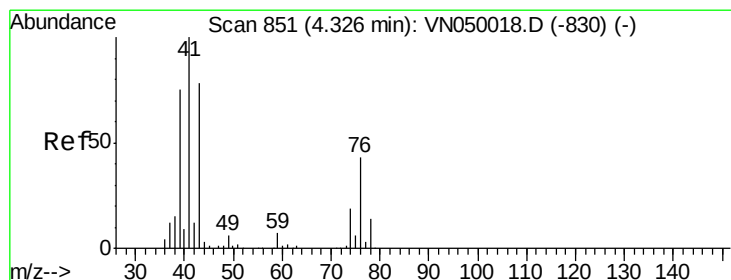
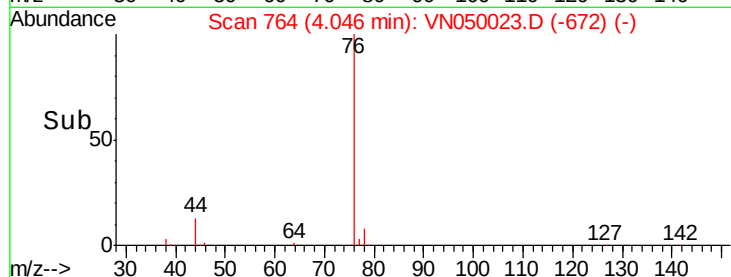
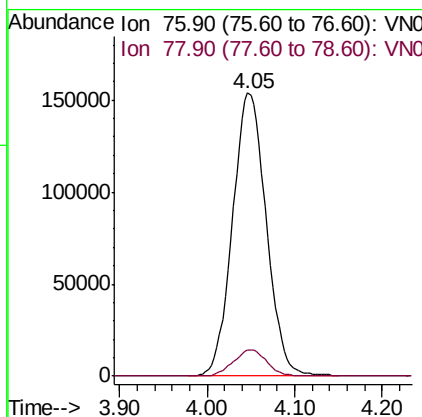
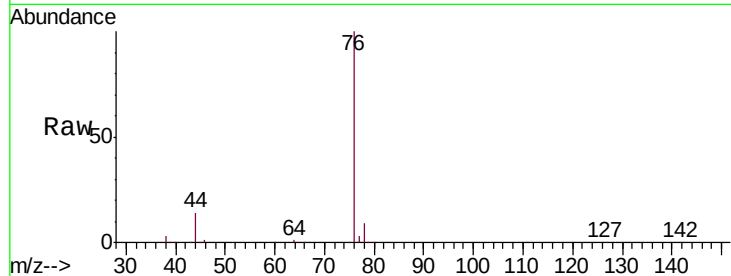
#17
Carbon Disulfide
Concen: 19.16 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

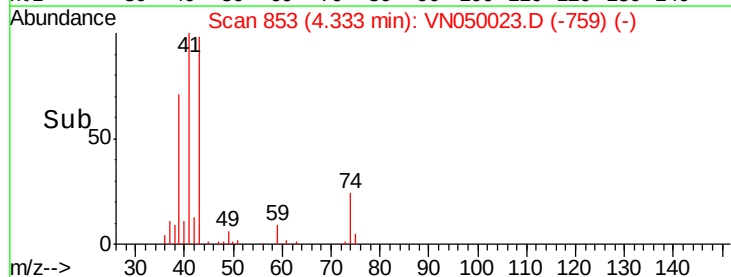
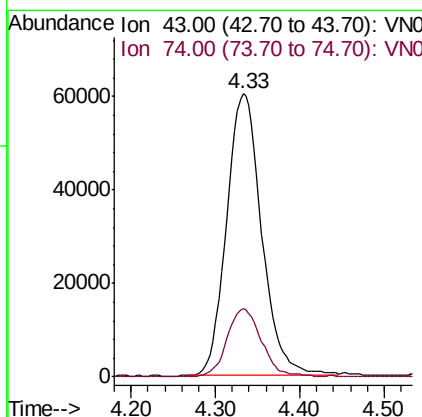
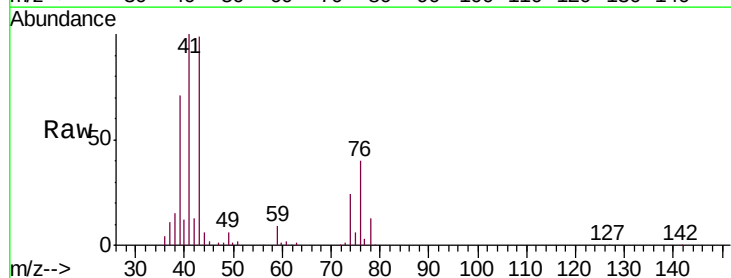
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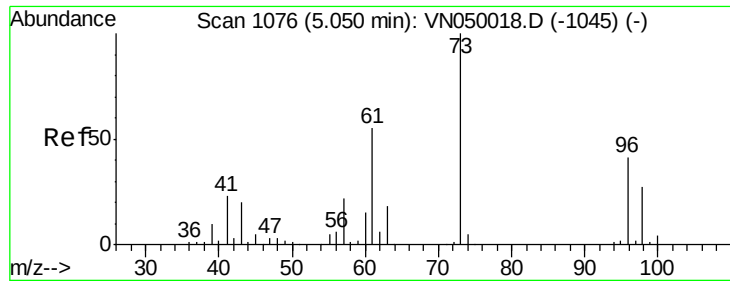
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#18
Methyl Acetate
Concen: 21.59 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8





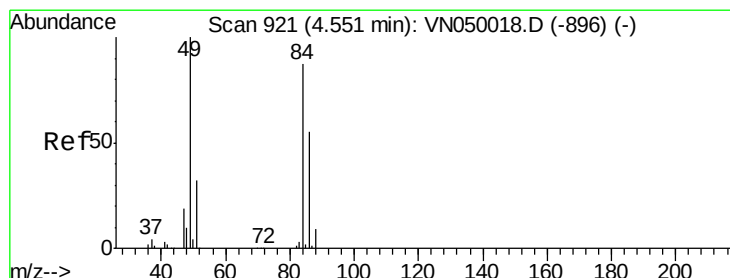
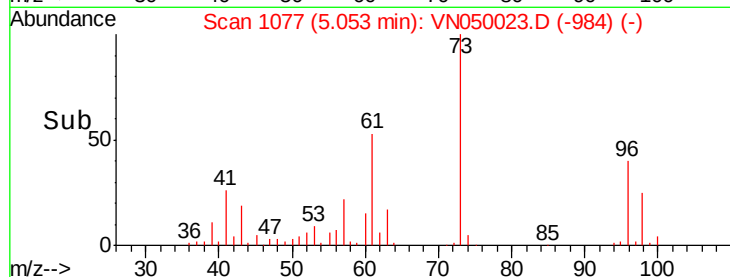
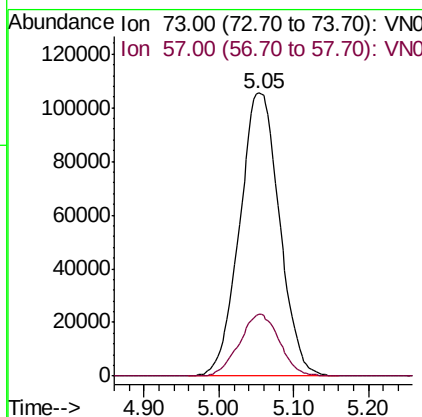
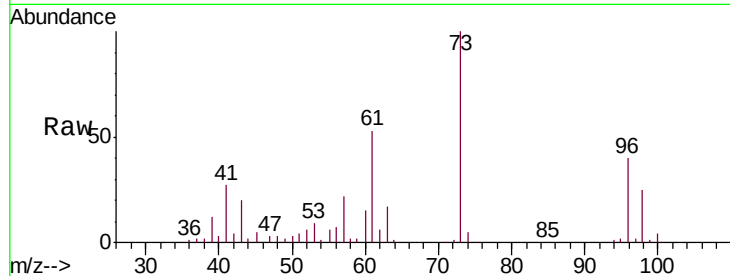
#19
Methyl tert-butyl Ether
Concen: 20.92 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion: 73 Resp: 390622
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0

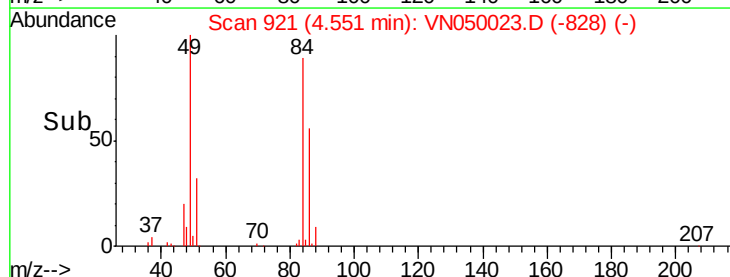
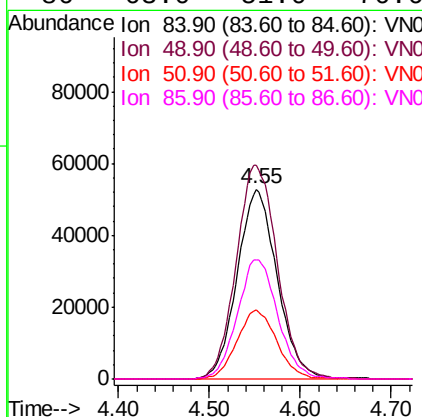
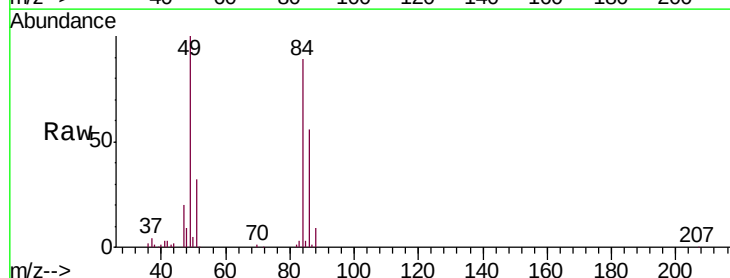
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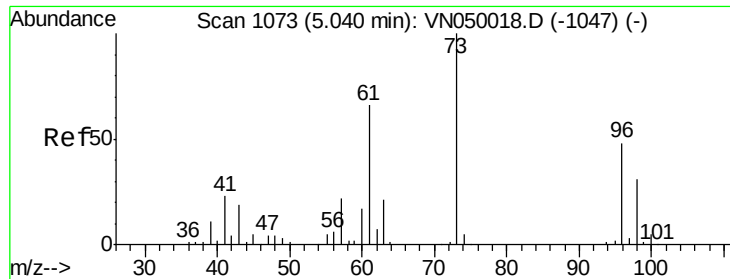
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#20
Methylene Chloride
Concen: 20.71 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion: 84 Resp: 161266
Ion Ratio Lower Upper
84 100
49 112.7 94.8 142.2
51 36.2 28.3 42.5
86 63.0 51.0 76.6





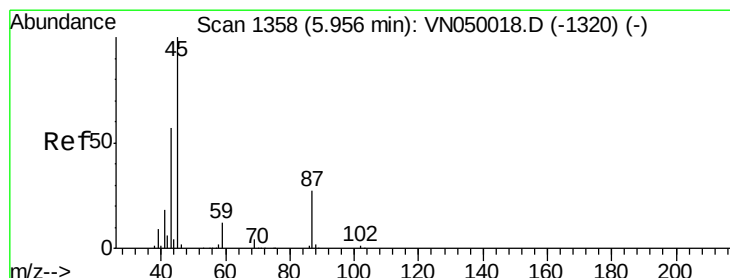
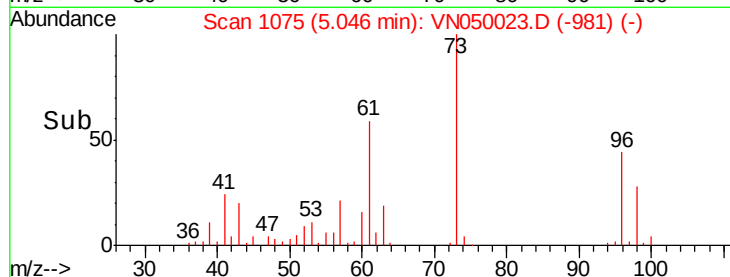
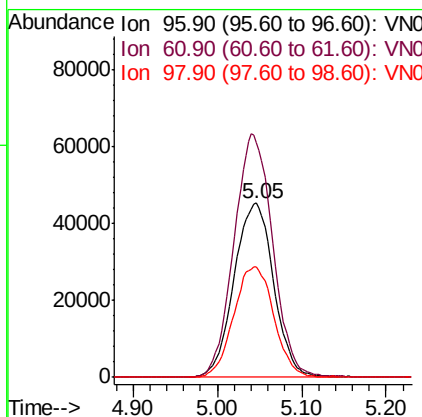
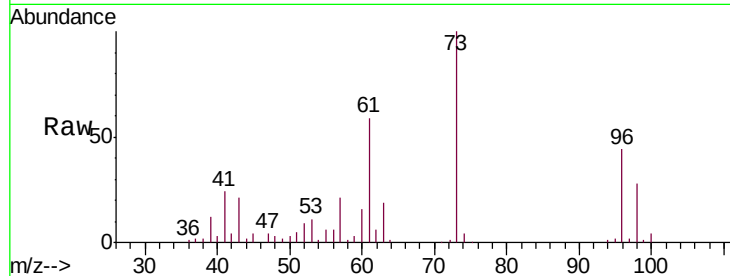
#21
trans-1,2-Dichloroethene
Concen: 19.91 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	110.7	166.1
98	63.2	51.6	77.4

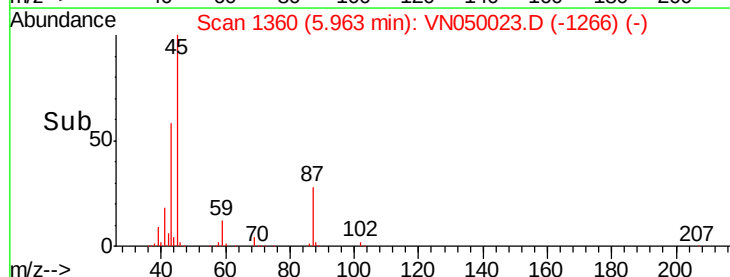
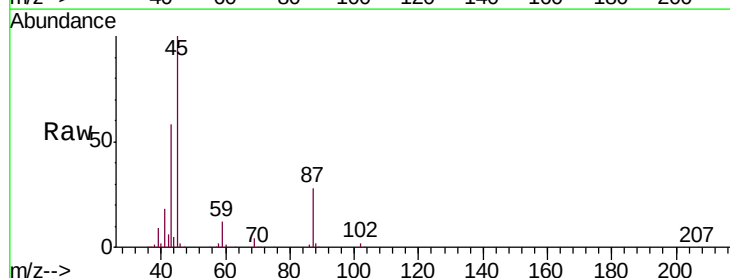
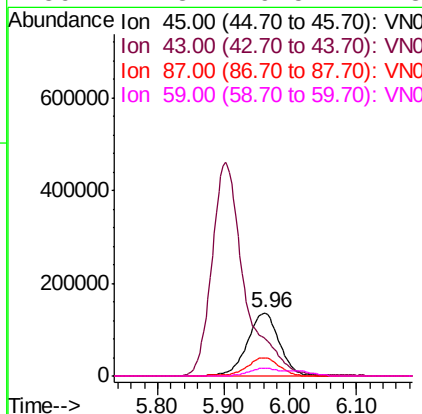
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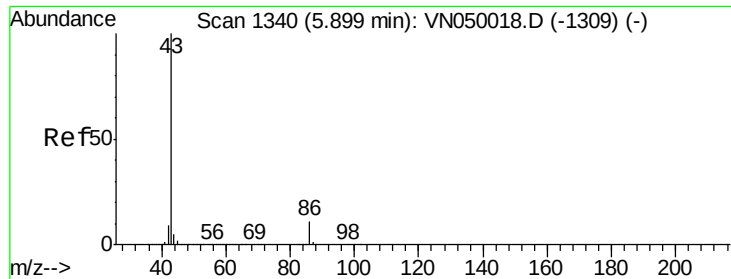
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#22
Diisopropyl ether
Concen: 21.29 ug/l
RT: 5.96 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.5	45.7	68.5
87	28.1	22.7	34.1
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 104.02 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 43 Resp: 1583638

Ion Ratio Lower Upper

43 100

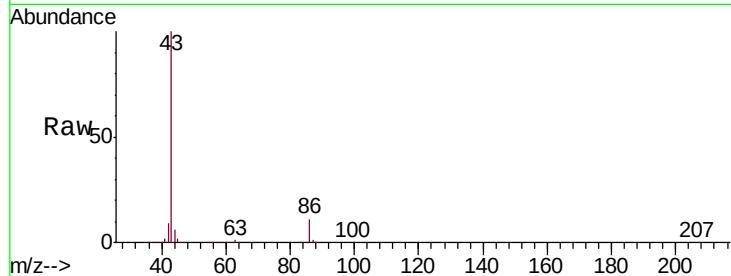
86 10.6 8.6 13.0

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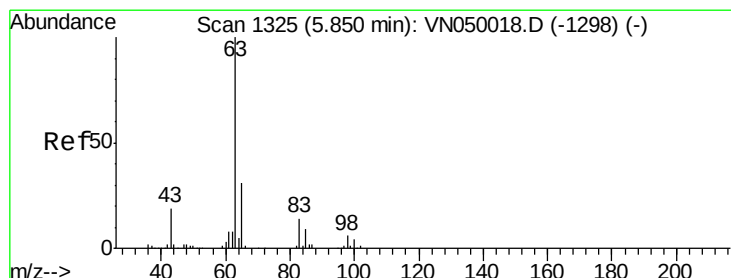
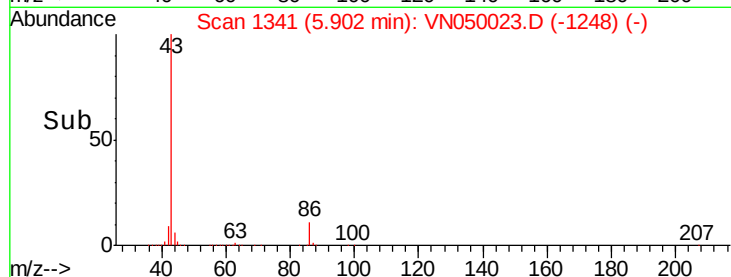
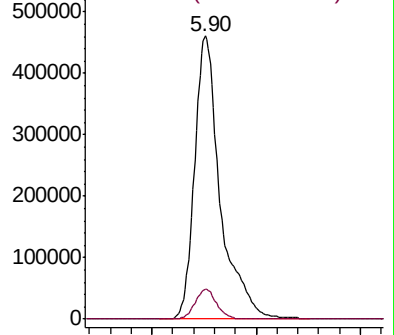
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.75 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

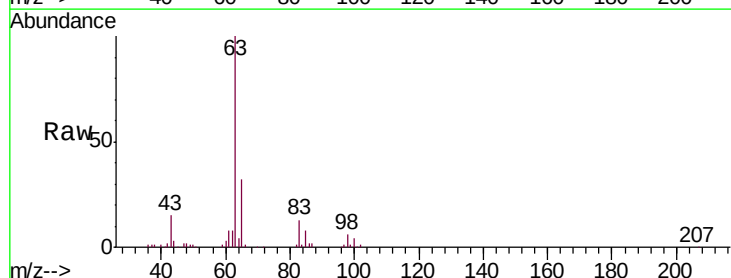
Tgt Ion: 63 Resp: 278278

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

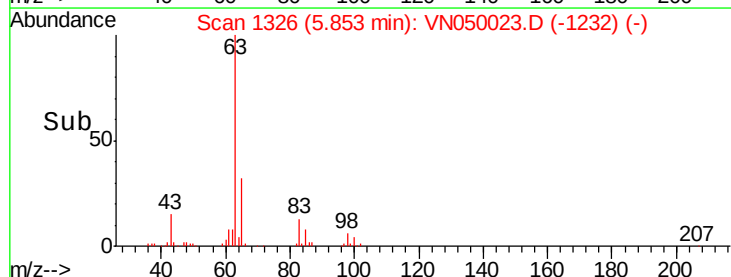
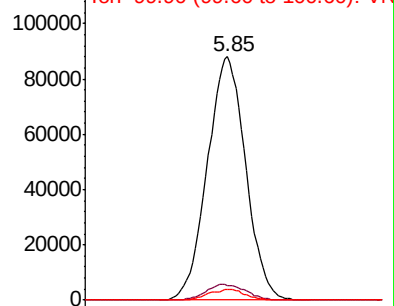
100 4.5 2.1 6.3

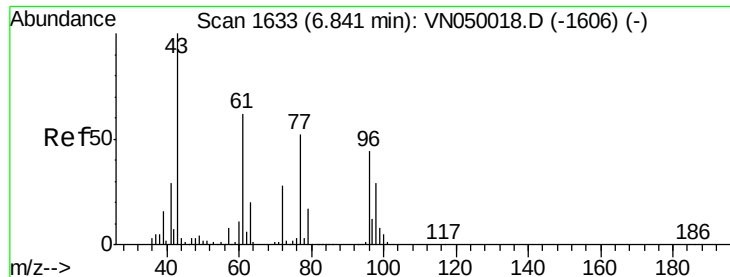


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





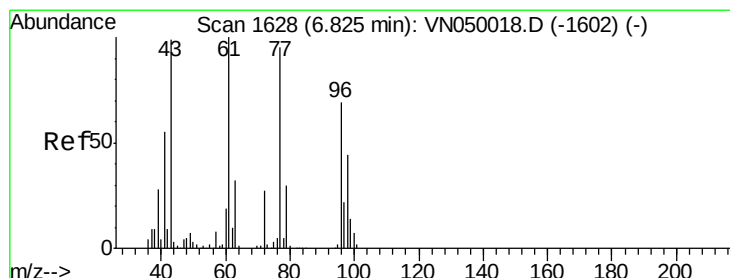
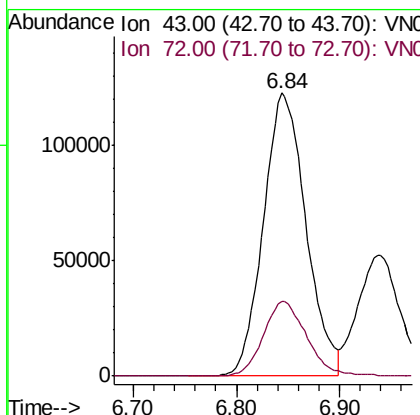
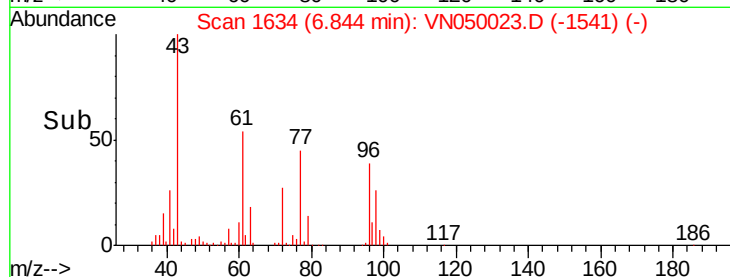
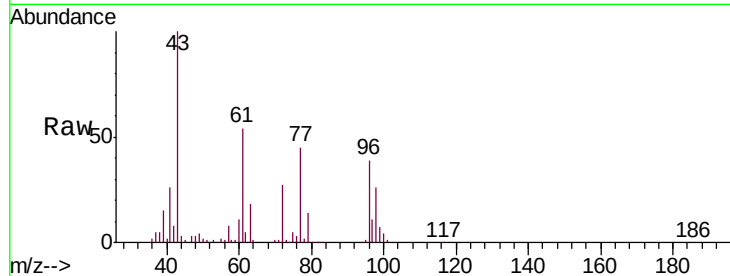
#25
2-Butanone
Concen: 108.70 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion: 43 Resp: 351668
Ion Ratio Lower Upper
43 100
72 26.6 21.5 32.3

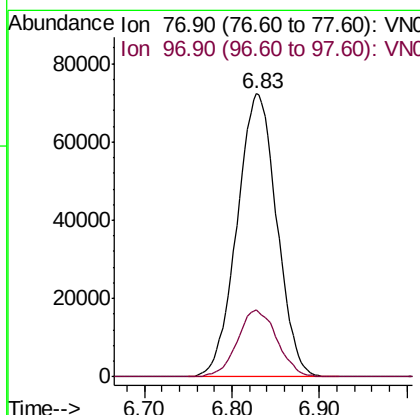
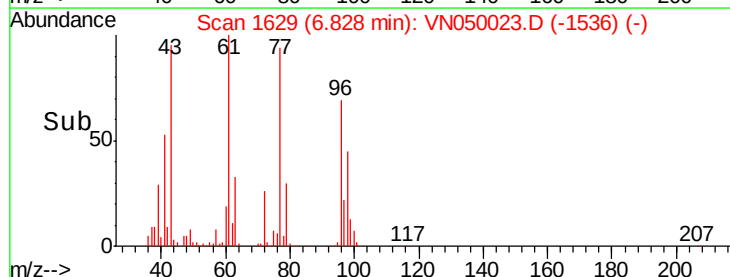
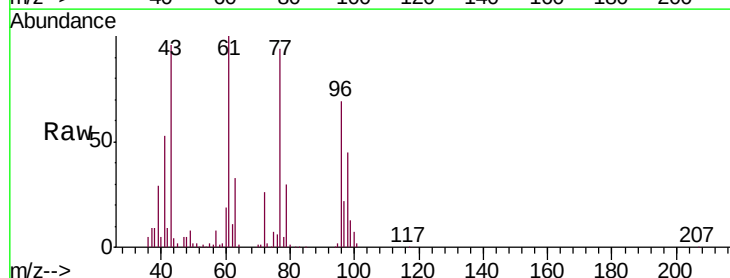
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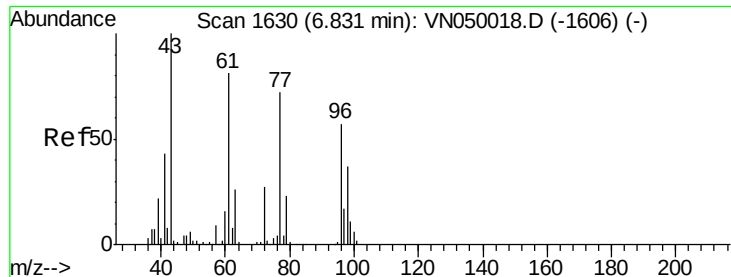
MMDadoda
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#26
2,2-Dichloropropane
Concen: 21.26 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion: 77 Resp: 227826
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.35 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

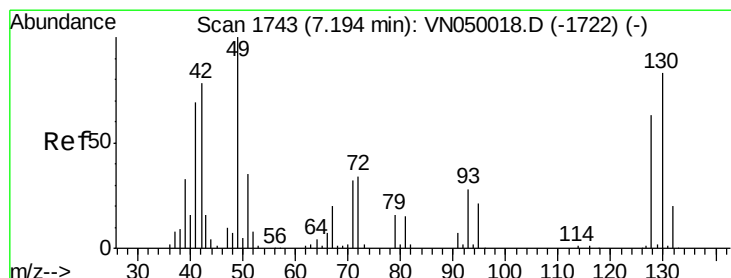
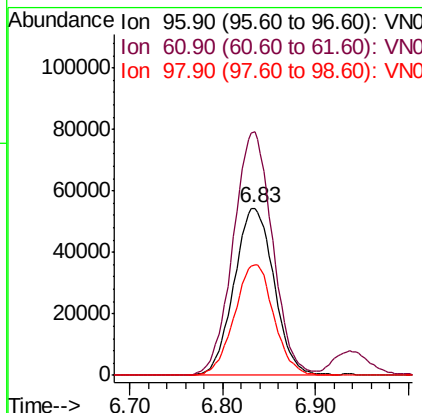
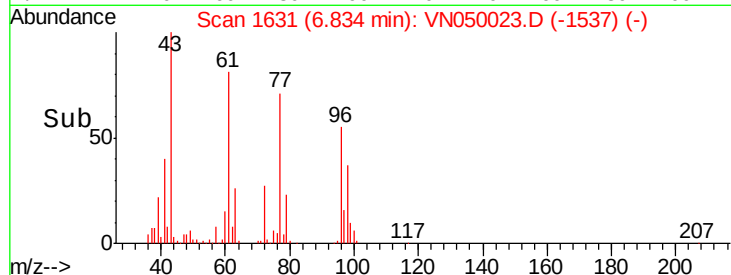
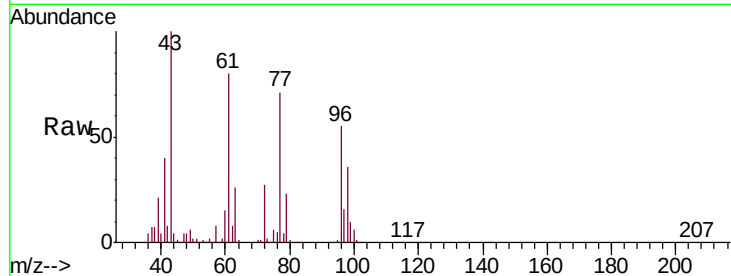
ClientSampleId :

VN0724WBS01

Tot Ion:	96	Resp:	162617
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	285.0
98	65.1	0.0	129.2

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#28

Bromochloromethane

Concen: 20.30 ug/l

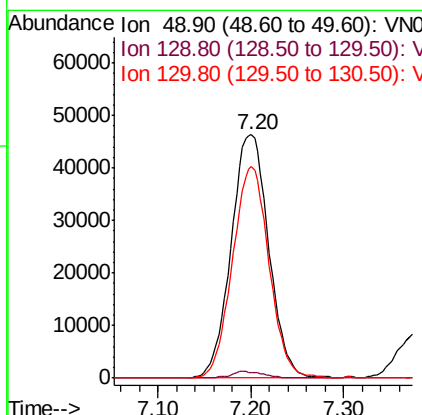
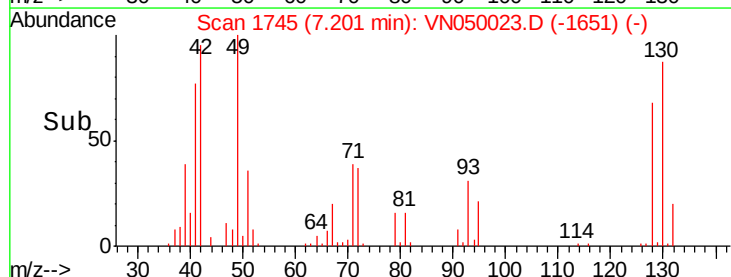
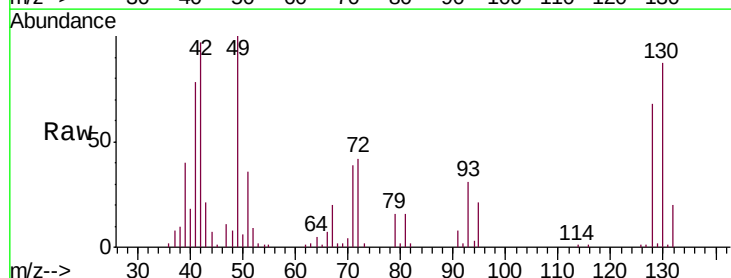
RT: 7.20 min Scan# 1745

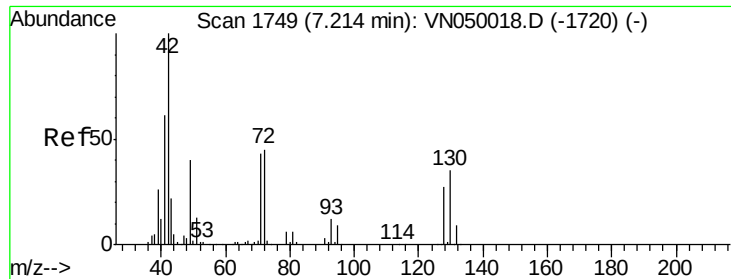
Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Tgt Ion:	49	Resp:	130448
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	84.6	66.3	99.5





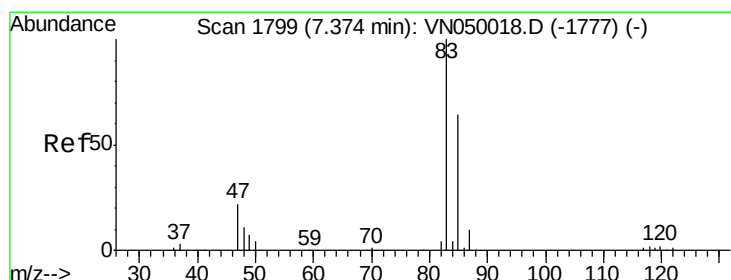
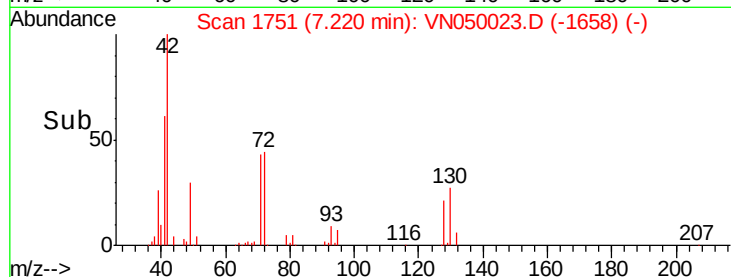
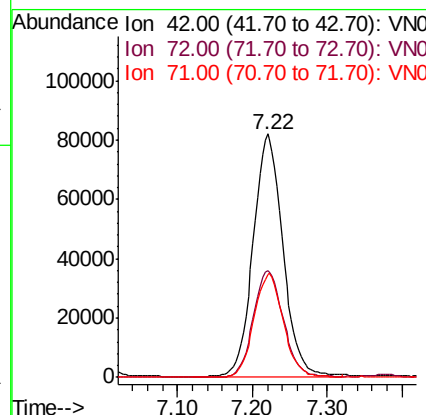
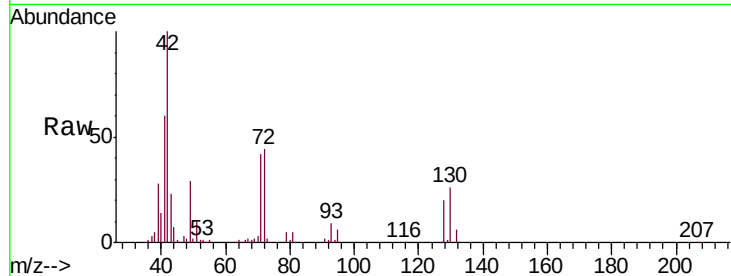
#29
Tetrahydrofuran
Concen: 109.54 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.9	53.9
71	41.9	33.7	50.5

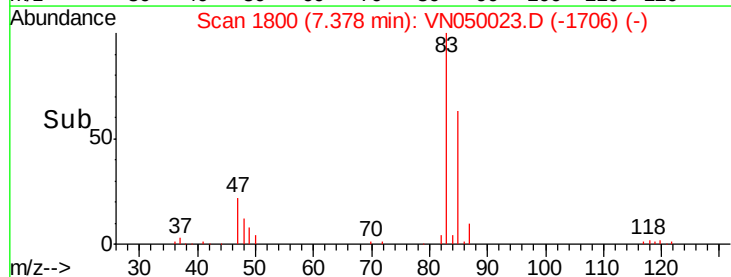
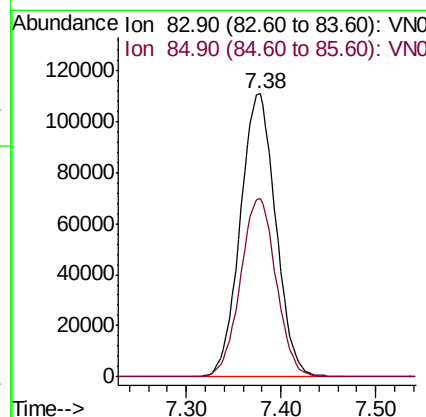
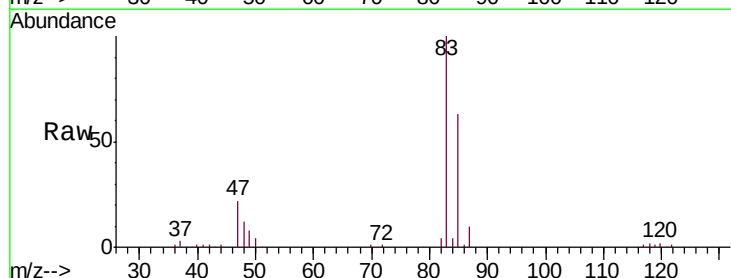
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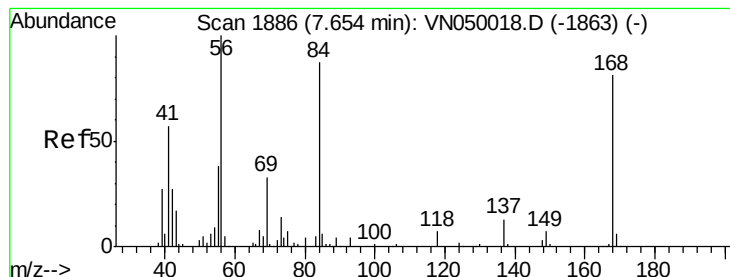
MMDadoda
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#30
Chloroform
Concen: 20.06 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7





#31

Cyclohexane

Concen: 20.04 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

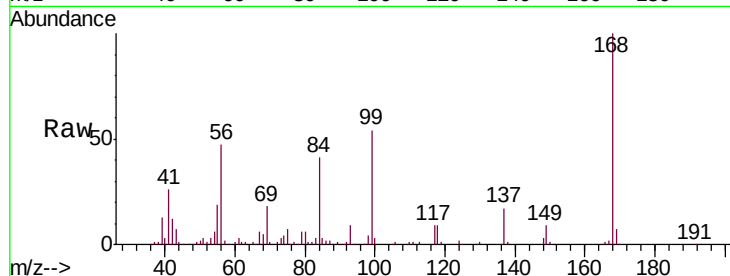
ClientSampleId :

VN0724WBS01

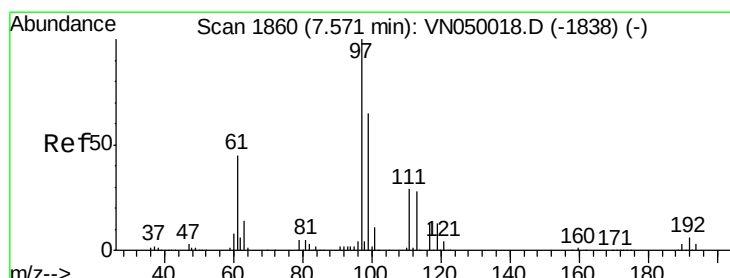
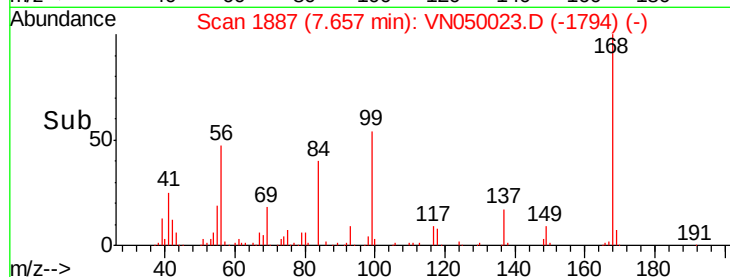
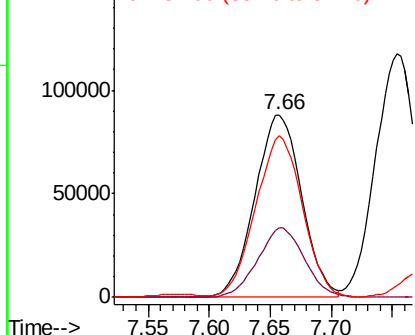
Tot Ion:	56	Resp:	234629
Ion	Ratio	Lower	Upper
56	100		
69	37.8	26.2	39.4
84	86.7	67.4	101.0

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.71 ug/l

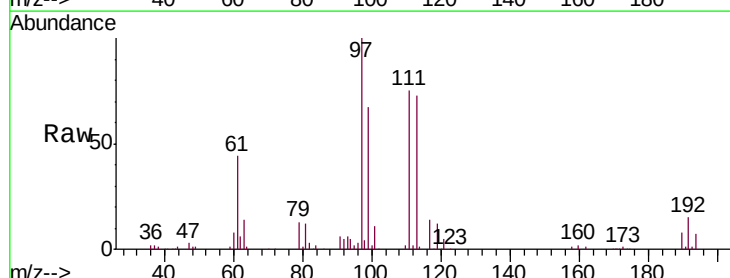
RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

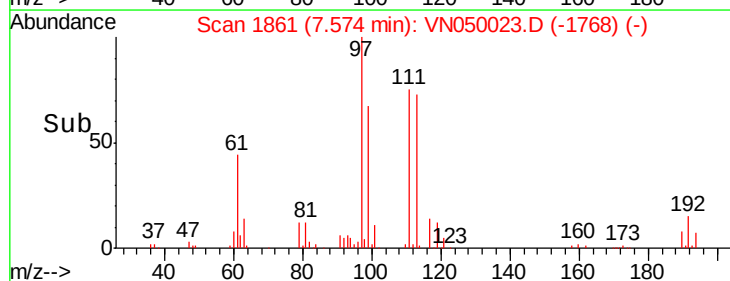
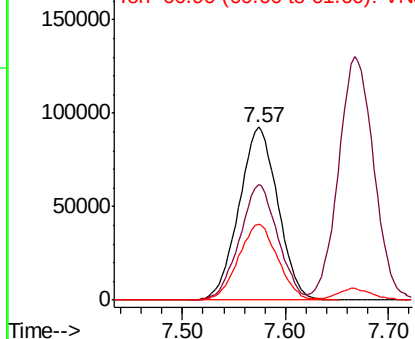
Lab File: VN050023.D

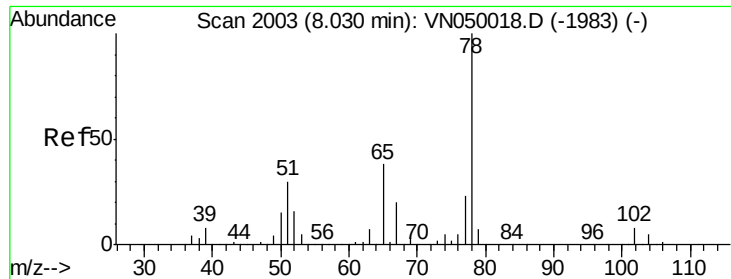
Acq: 24 Jul 2018 16:18

Tgt Ion:	97	Resp:	242396
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.4	77.0
61	44.3	35.4	53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.02 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 65 Resp: 424242

Ion Ratio Lower Upper

65 100

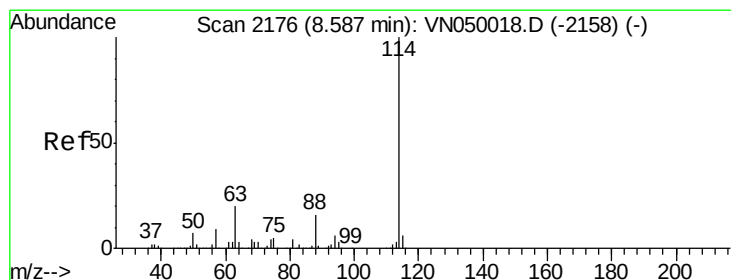
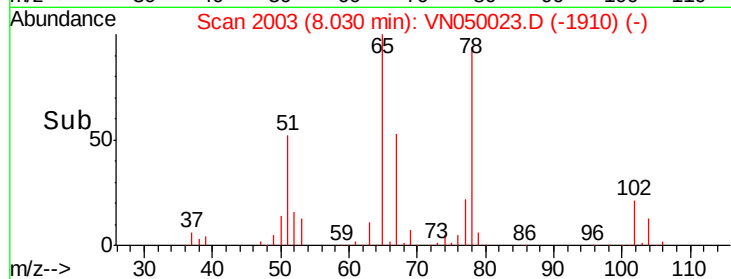
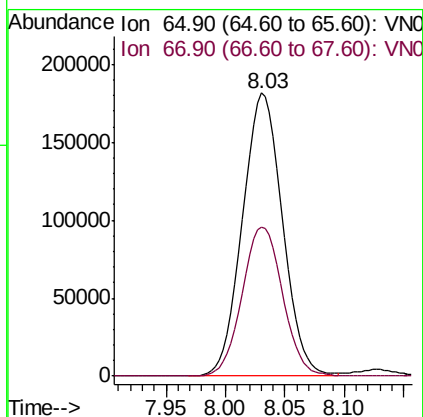
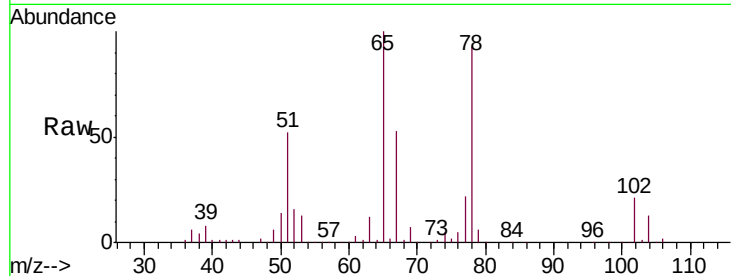
67 53.3 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

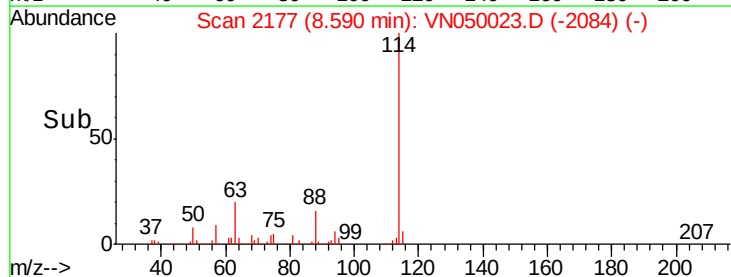
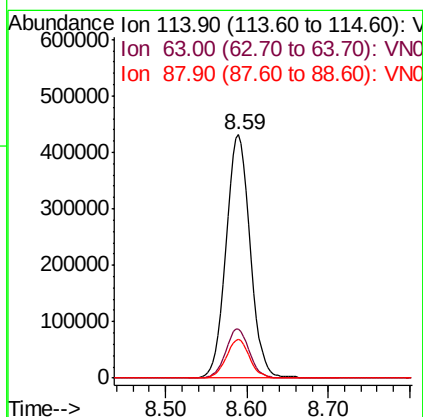
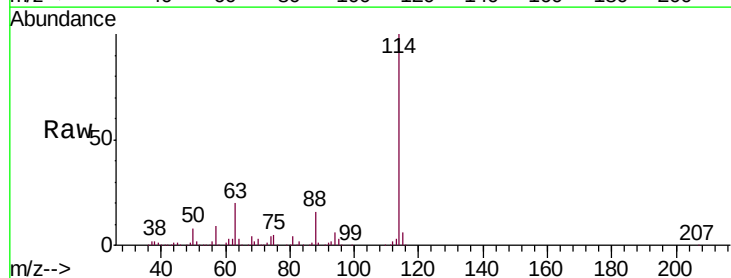
Tgt Ion: 114 Resp: 901437

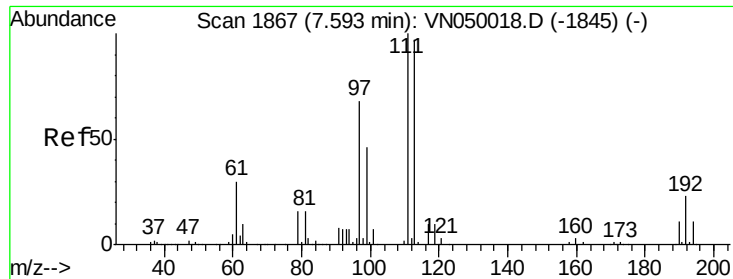
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 15.9 0.0 31.2





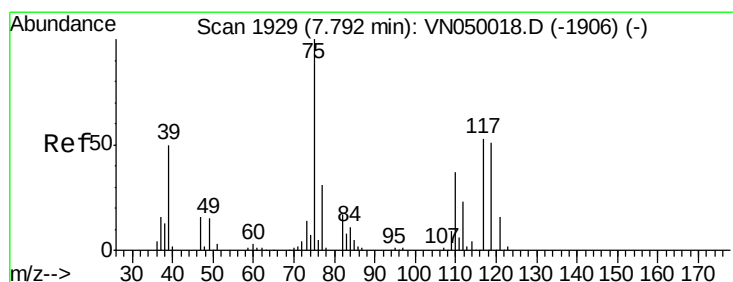
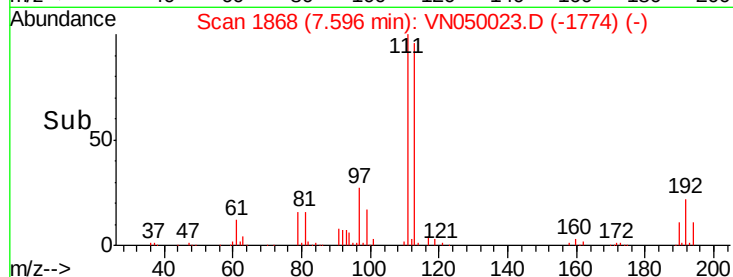
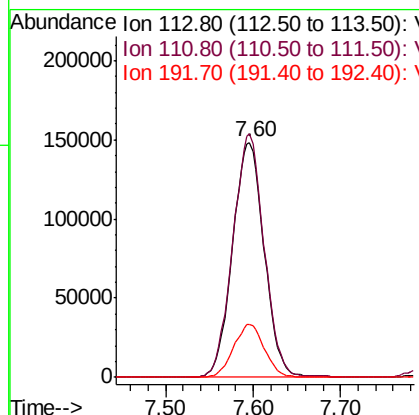
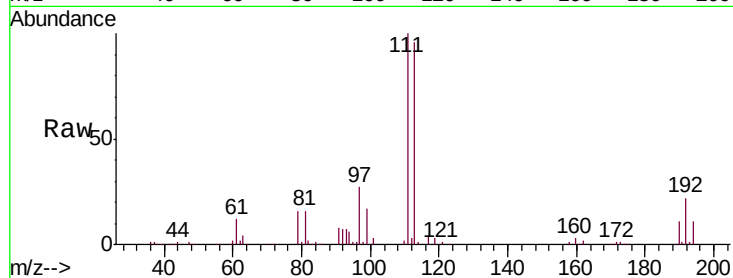
#35
Dibromofluoromethane
Concen: 50.68 ug/l
RT: 7.60 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	80.7	121.1	
192	21.9	17.8	26.6	

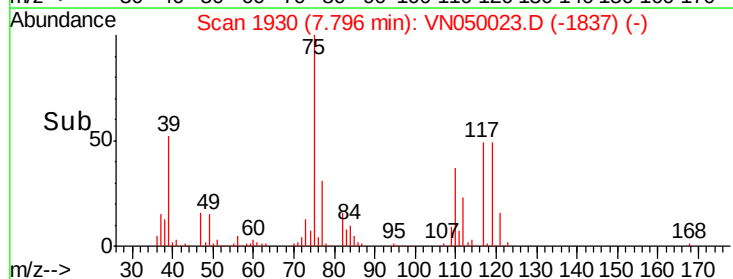
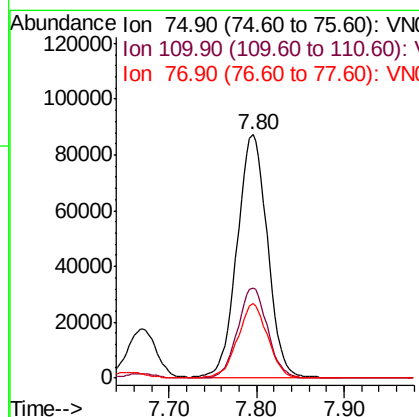
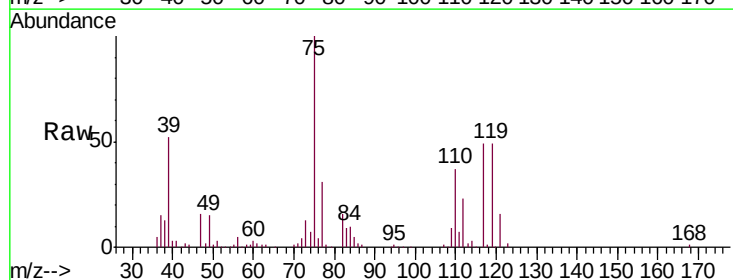
Manual Integrations
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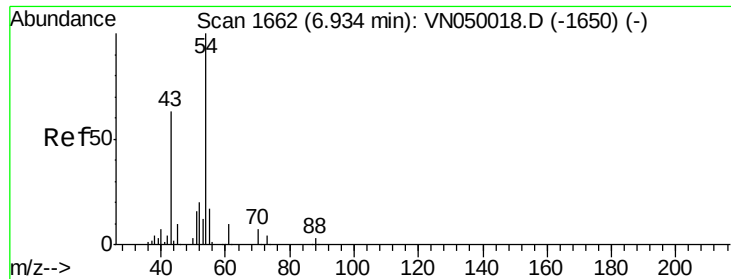
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#36
1,1-Dichloropropene
Concen: 20.69 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	18.4	55.2	
77	30.5	25.3	37.9	





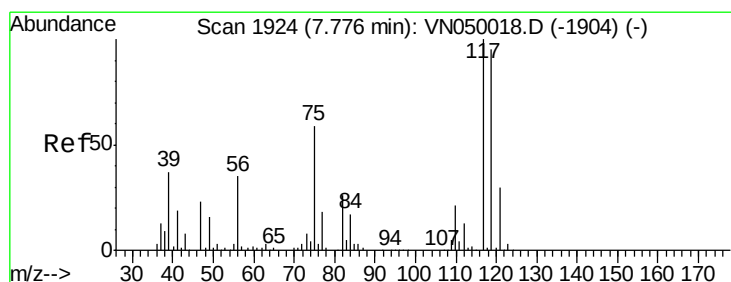
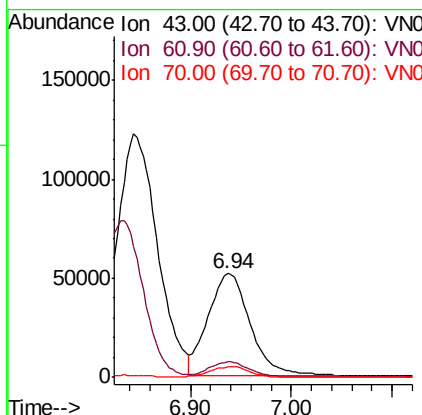
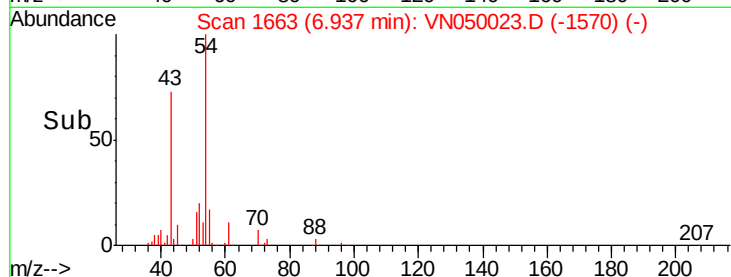
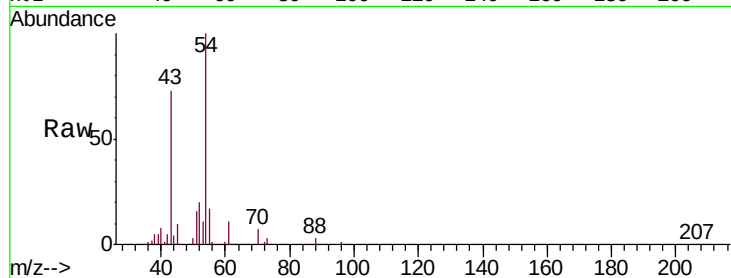
#37
Ethyl Acetate
Concen: 21.28 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.8	17.8
70	10.2	8.4	12.6

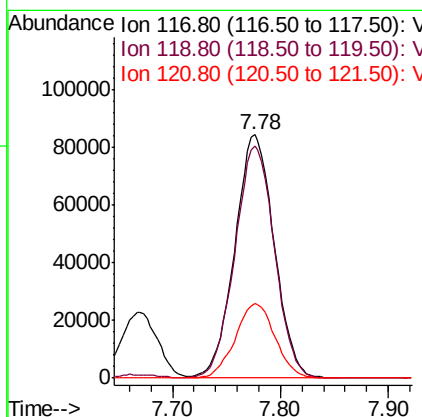
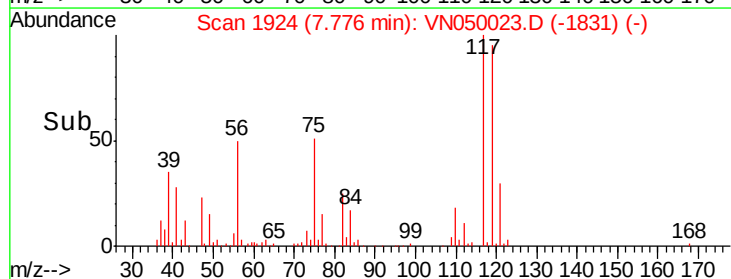
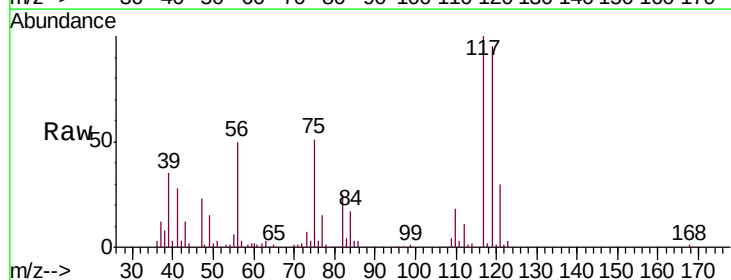
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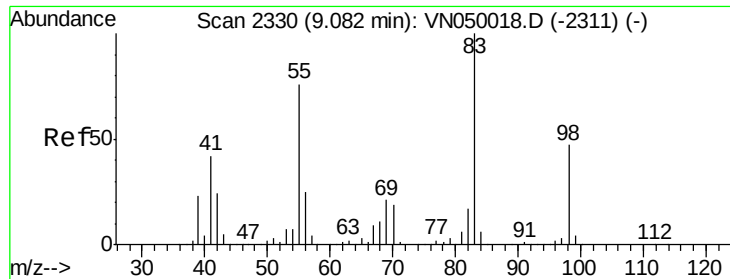
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#38
Carbon Tetrachloride
Concen: 19.92 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.4	116.0
121	30.5	23.9	35.9





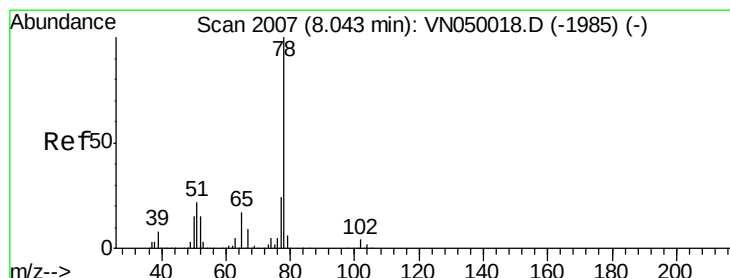
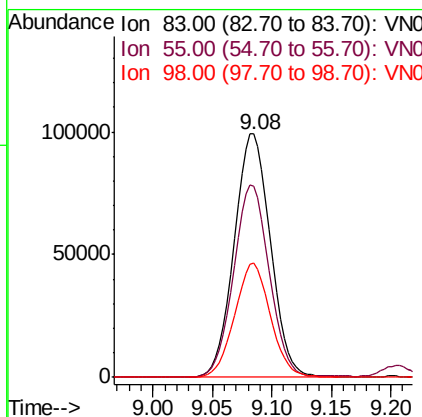
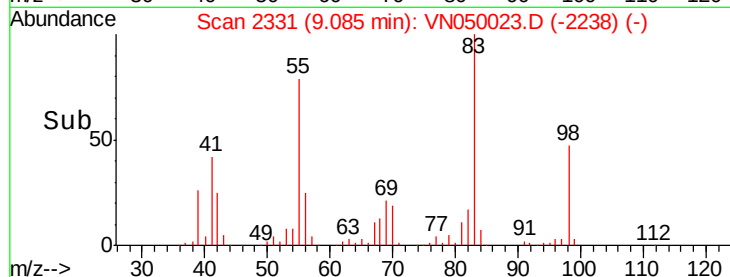
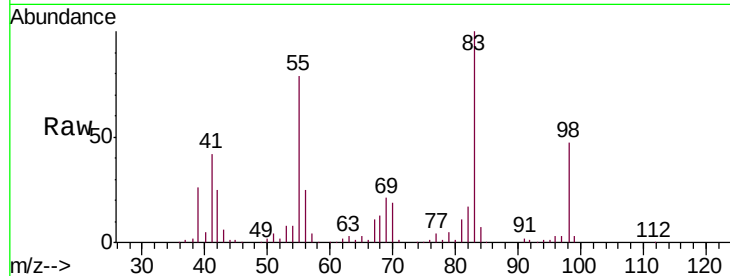
#39
Methylvlcyclohexane
Concen: 20.09 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	209934		
55	78.6		61.8	92.8
98	46.9		36.5	54.7

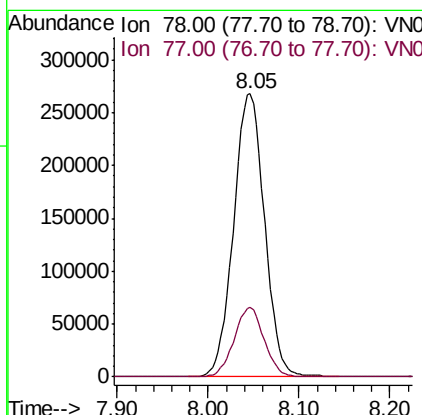
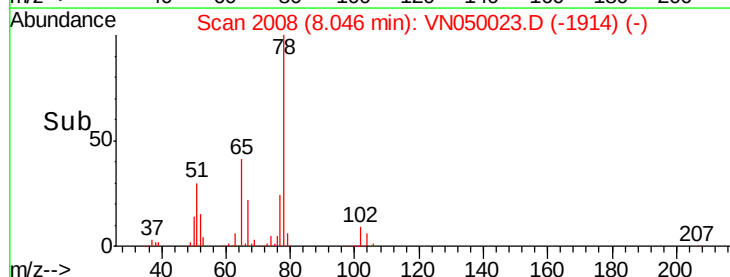
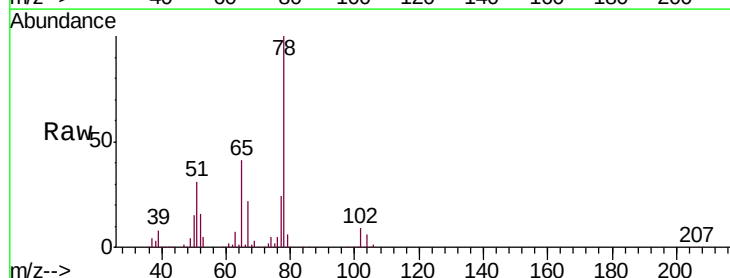
Manual Integrations
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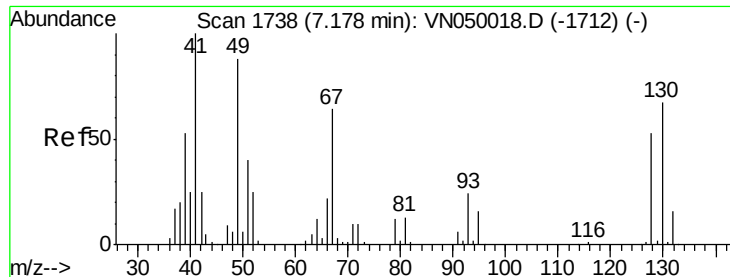
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#40
Benzene
Concen: 20.48 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	632960		
77	24.5		18.7	28.1





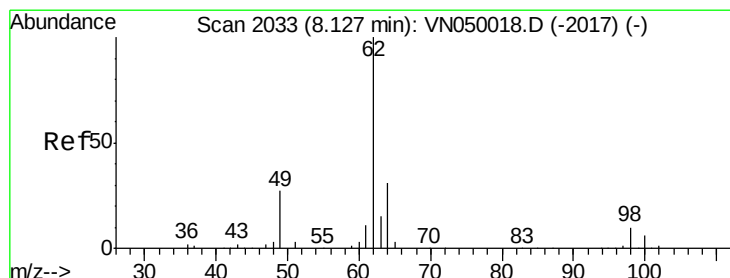
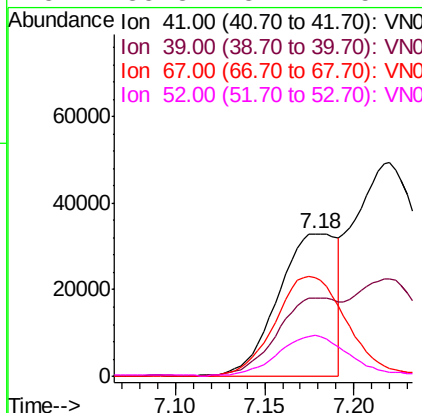
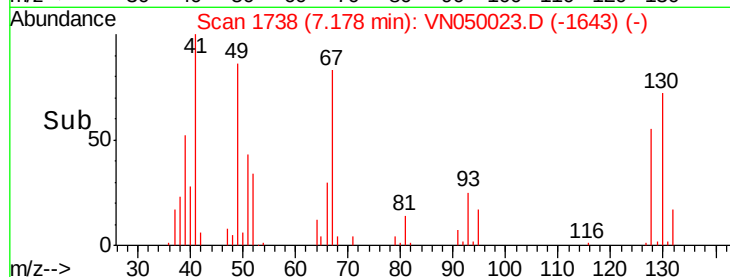
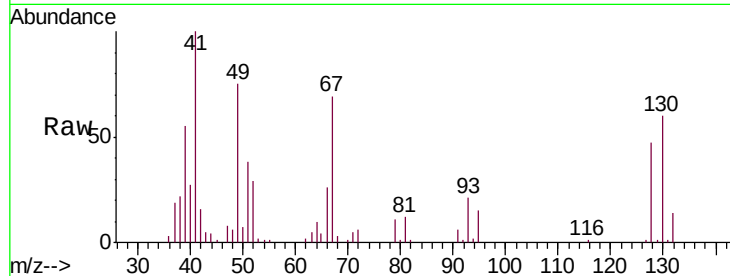
#41
Methacrylonitrile
Concen: 22.15 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	55.8	83.6#
67	86.6	84.3	126.5
52	35.3	34.2	51.2

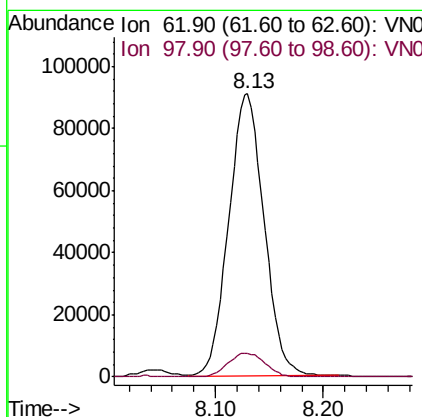
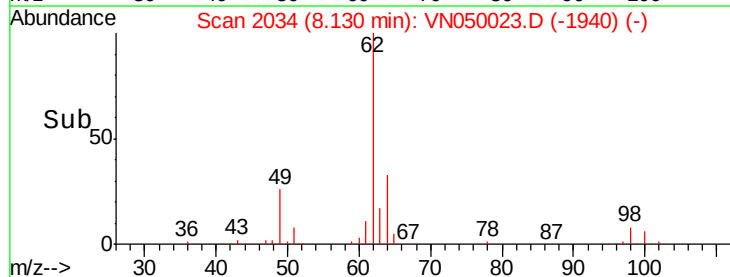
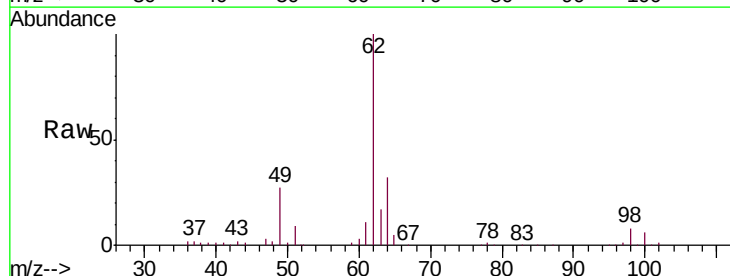
Manual Integrations
APPROVED

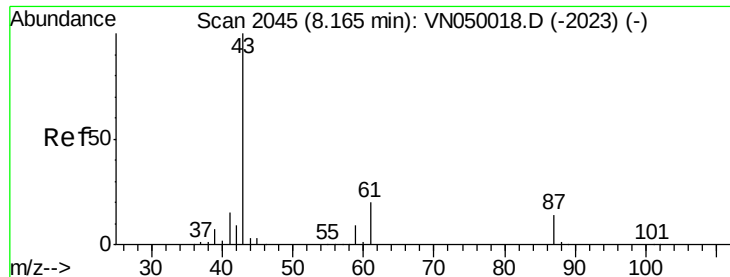
MMDadoda
7/26/2018 1:51:24 PM



#42
1,2-Dichloroethane
Concen: 20.15 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.8





#43

Isopropyl Acetate

Concen: 20.07 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

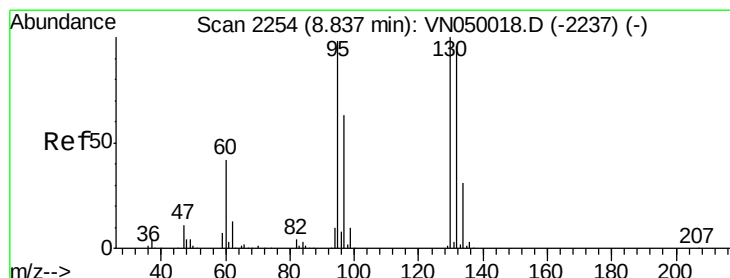
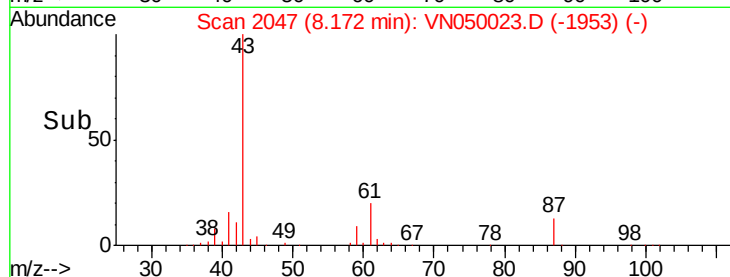
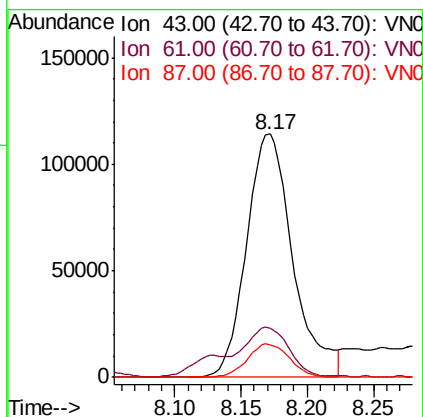
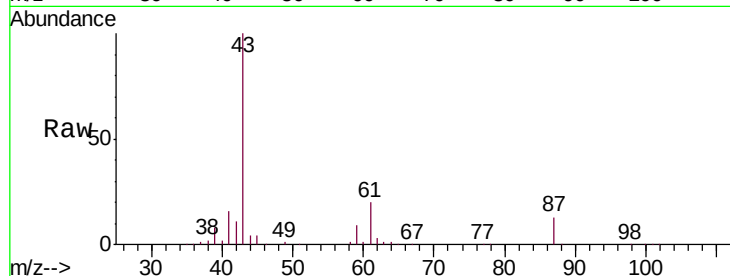
ClientSampleId :

VN0724WBS01

Tot Ion:	43	Resp:	276969
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.8	23.6
87	12.7	10.3	15.5

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#44

Trichloroethene

Concen: 19.77 ug/l

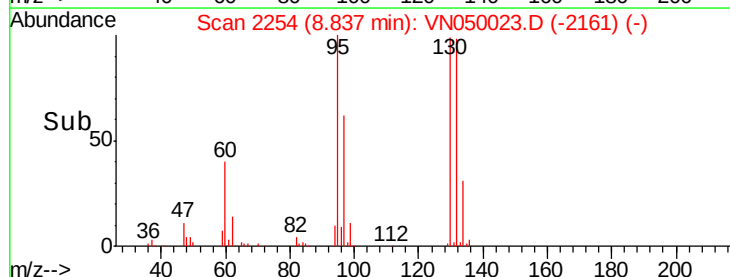
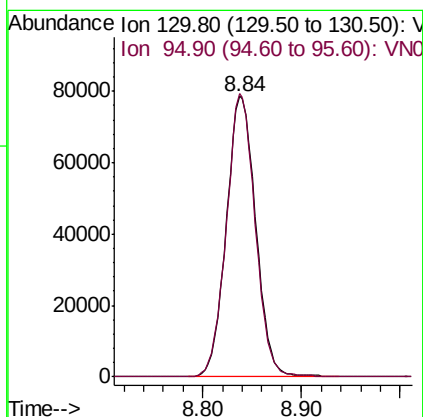
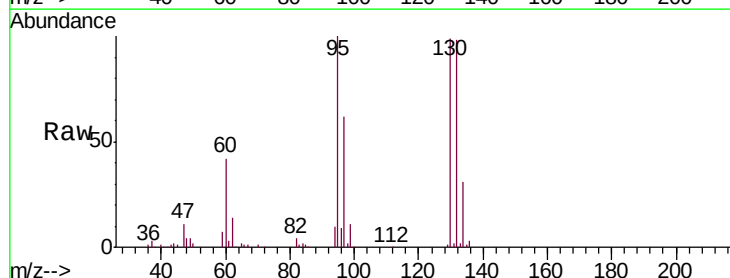
RT: 8.84 min Scan# 2254

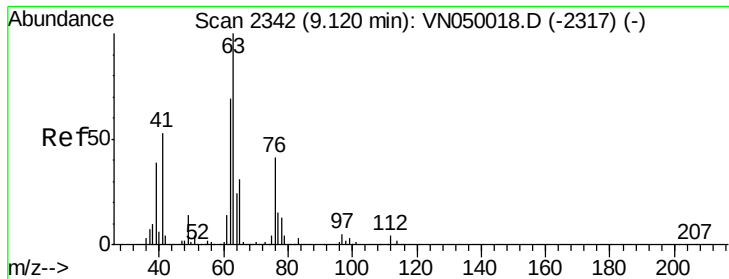
Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Tgt Ion:	130	Resp:	164198
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	194.6





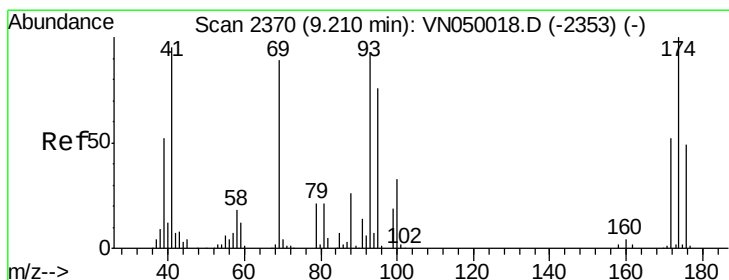
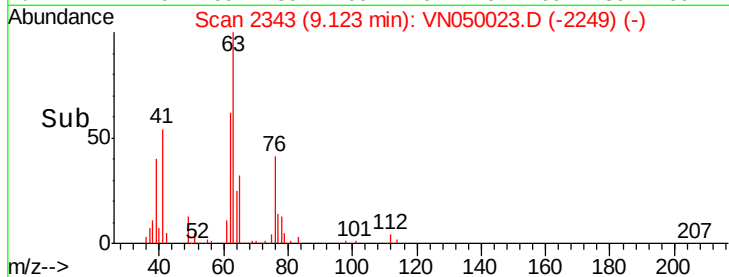
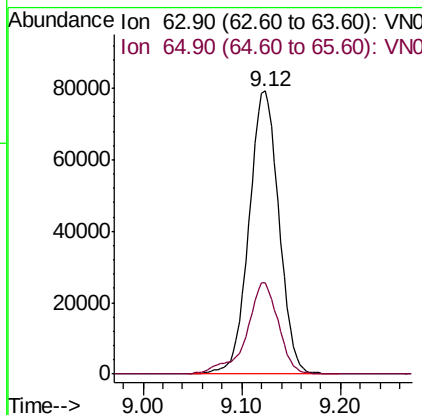
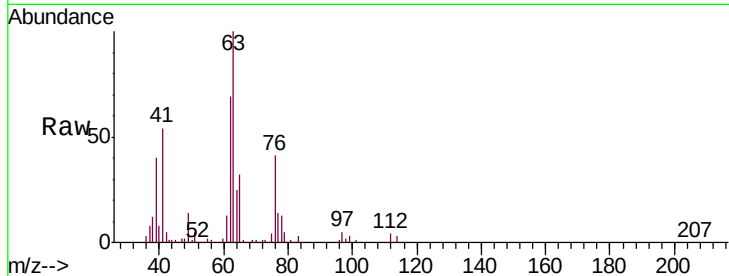
#45
 1,2-Dichloropropane
 Concen: 20.27 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion: 63 Resp: 165905
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.5 38.3

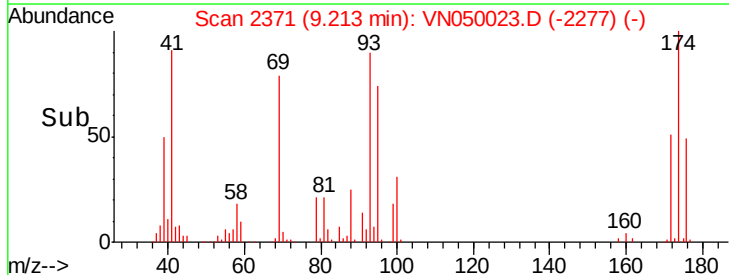
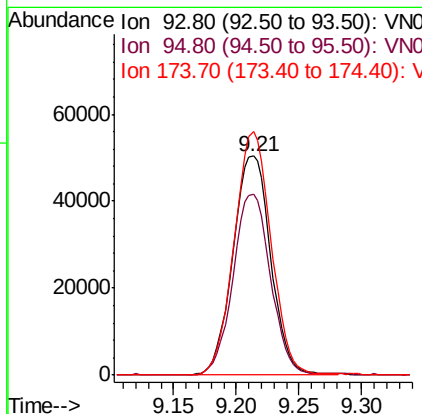
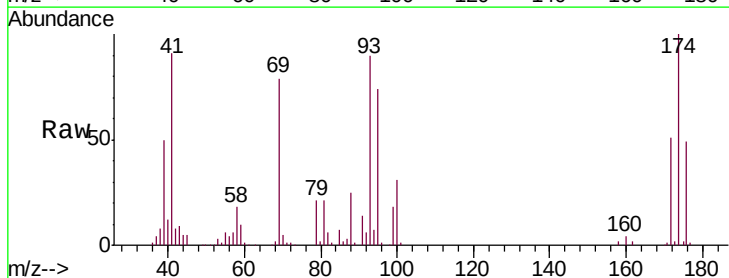
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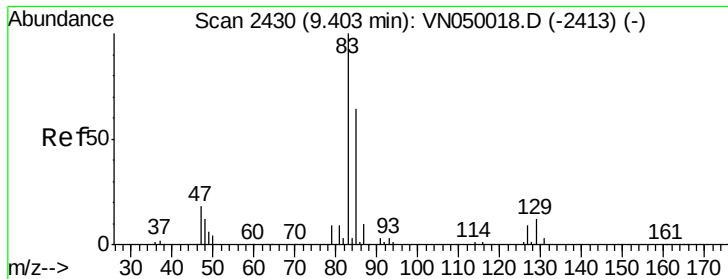
MMDadoda
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#46
 Dibromomethane
 Concen: 20.81 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion: 93 Resp: 105792
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 100.0
 174 108.0 87.1 130.7





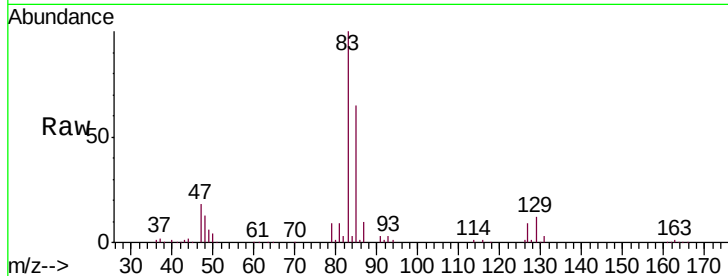
#47
Bromodichloromethane
Concen: 20.02 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

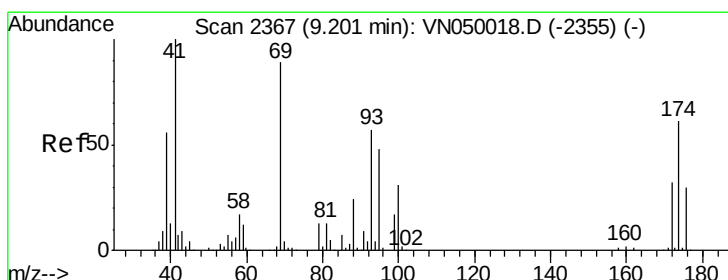
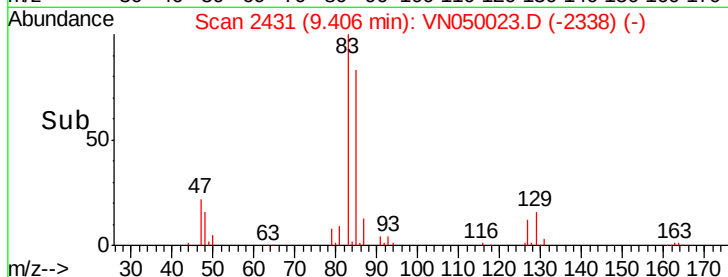
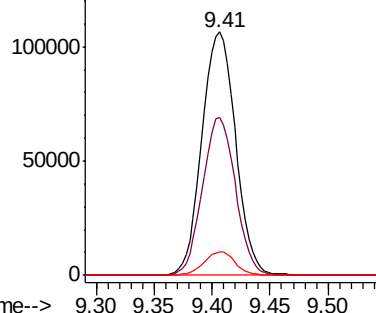
Tot Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7
127	9.5	7.0	10.4

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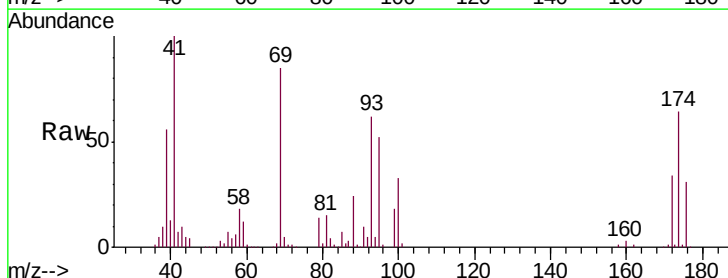


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

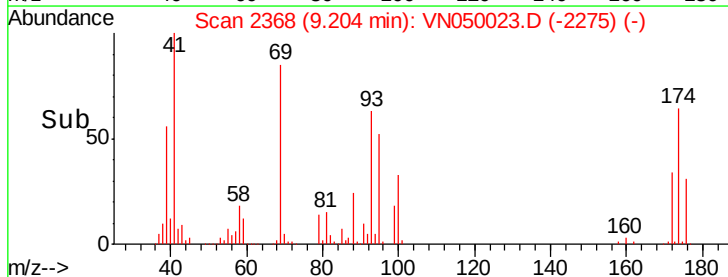
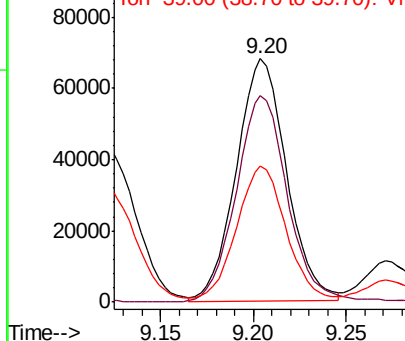


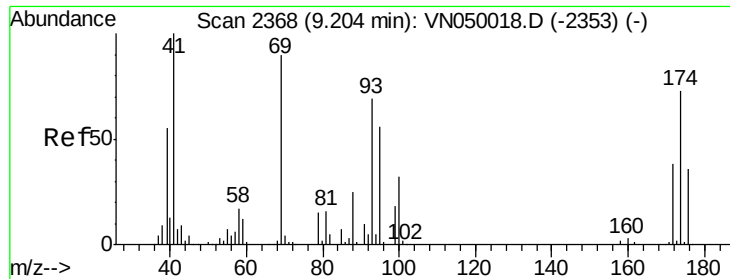
#48
Methyl methacrylate
Concen: 21.02 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.1	70.6	105.8
39	55.3	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





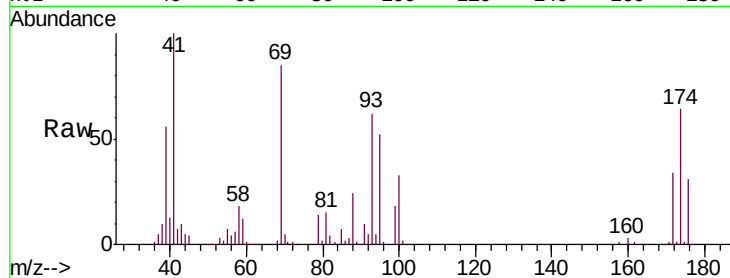
#49
1,4-Dioxane
Concen: 430.30 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.9	40.3
58	72.8	57.3	85.9

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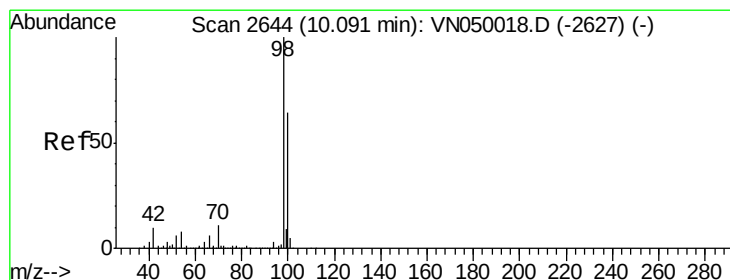
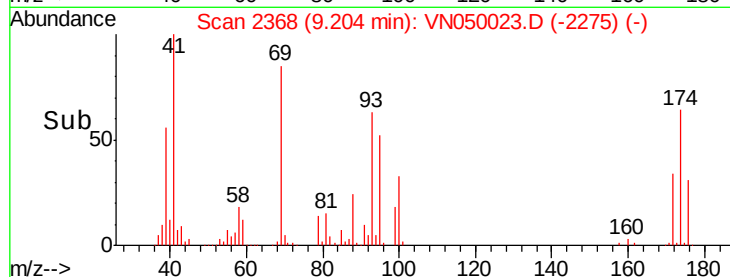
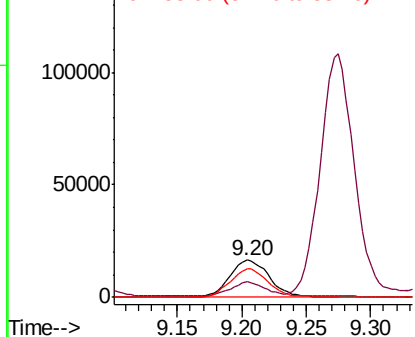


Abundance

Ion 88.00 (87.70 to 88.70): VN0

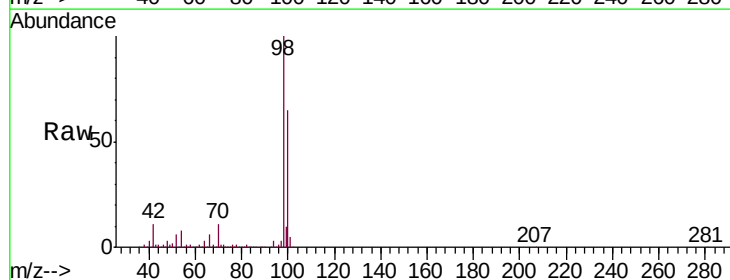
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.19 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

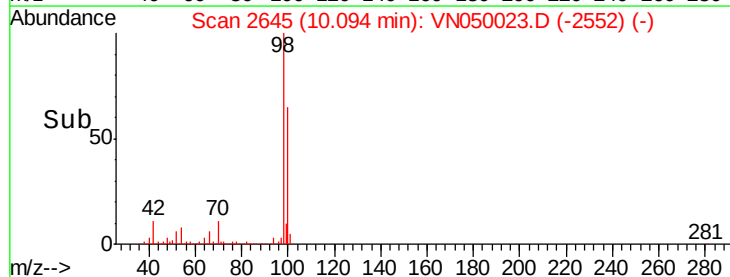
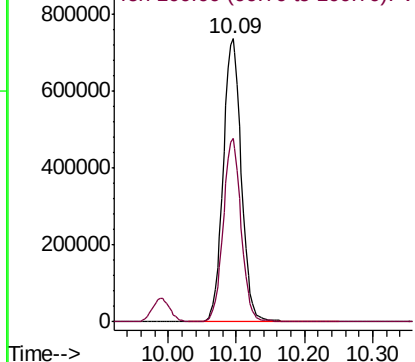
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1

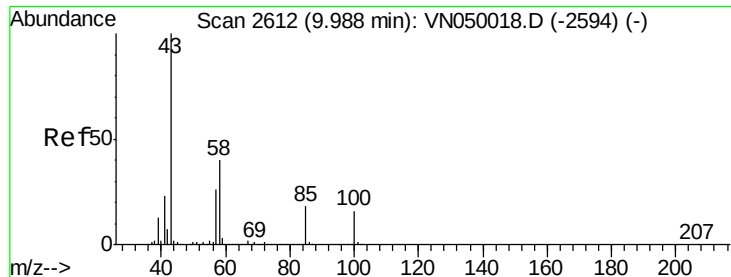


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





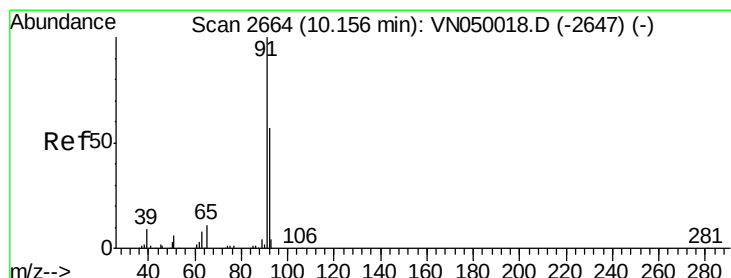
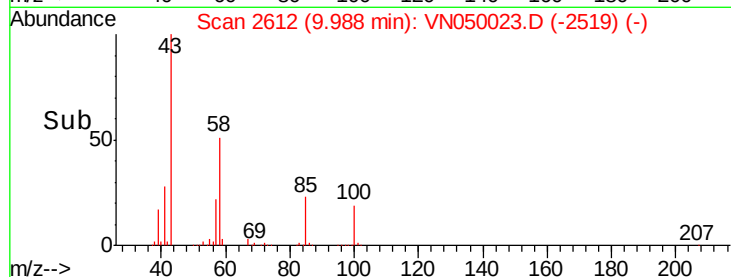
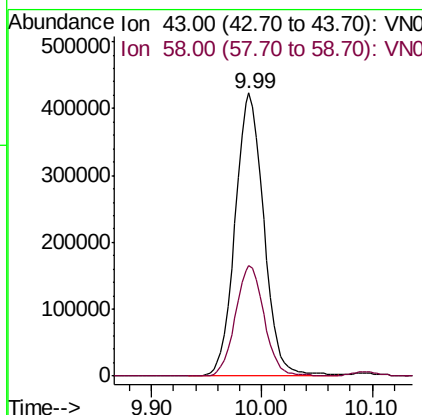
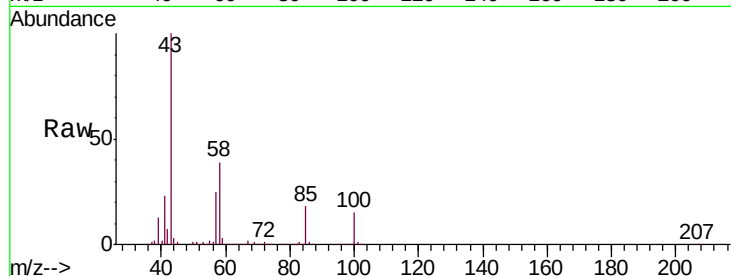
#51
4-Methyl-2-Pentanone
Concen: 109.15 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.9	47.9

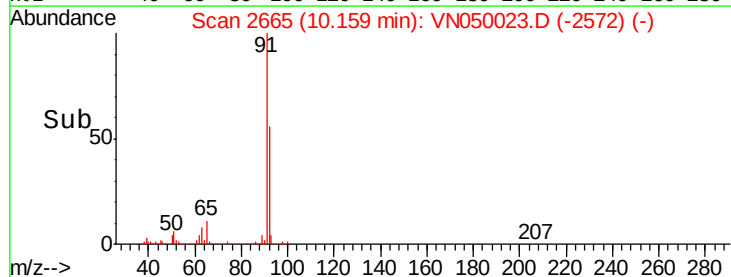
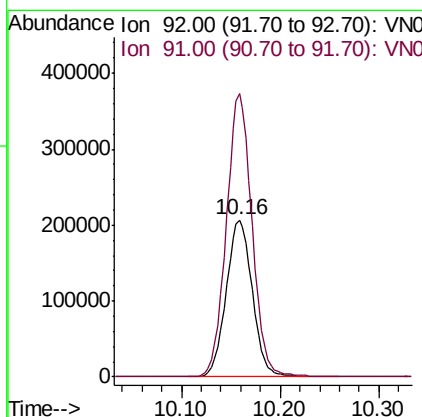
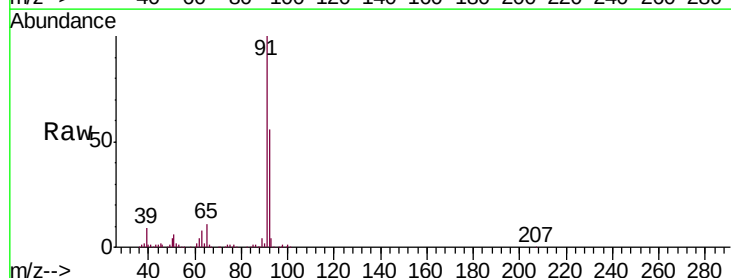
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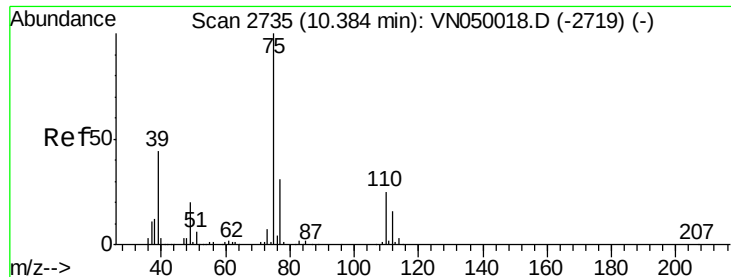
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#52
Toluene
Concen: 21.07 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.6	140.3	210.5





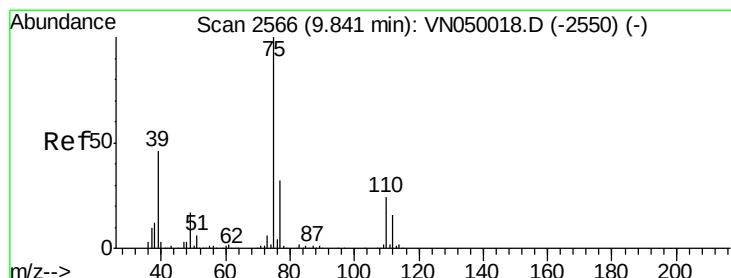
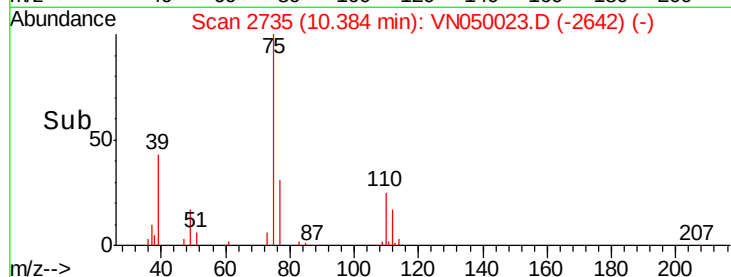
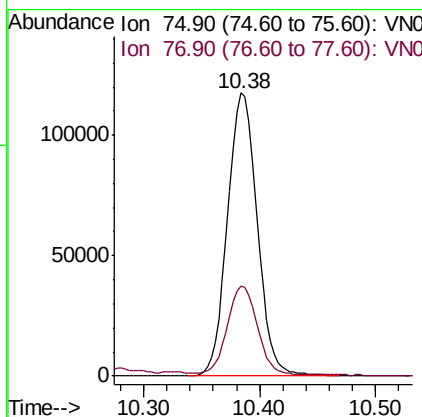
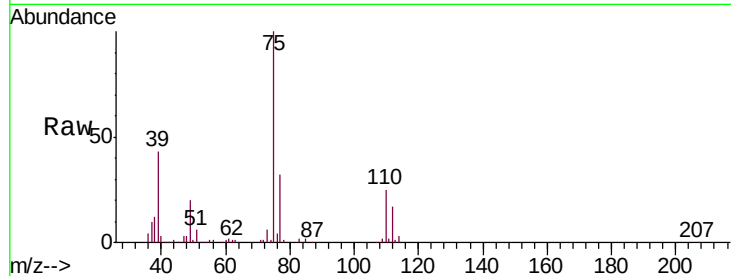
#53
t-1,3-Dichloropropene
Concen: 20.65 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion: 75 Resp: 209027
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3

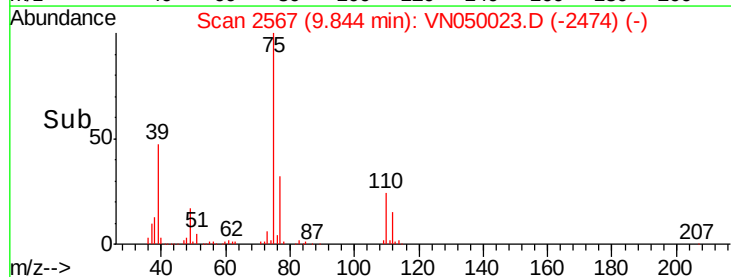
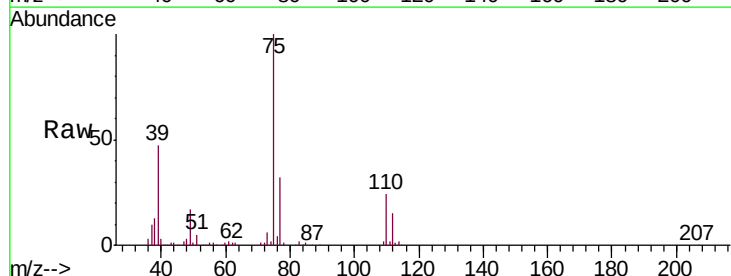
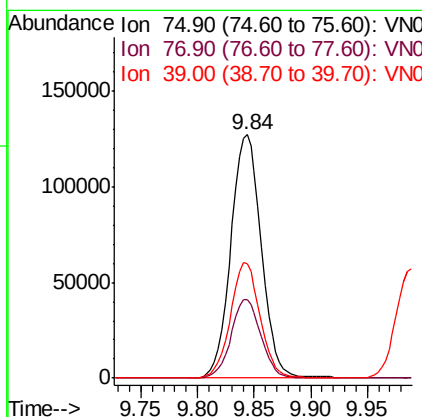
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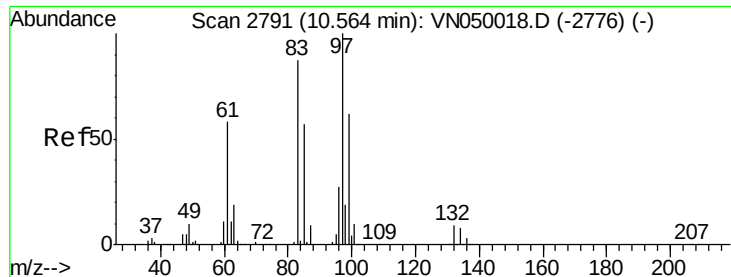
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#54
cis-1,3-Dichloropropene
Concen: 20.62 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion: 75 Resp: 238529
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3
39 47.2 36.6 55.0





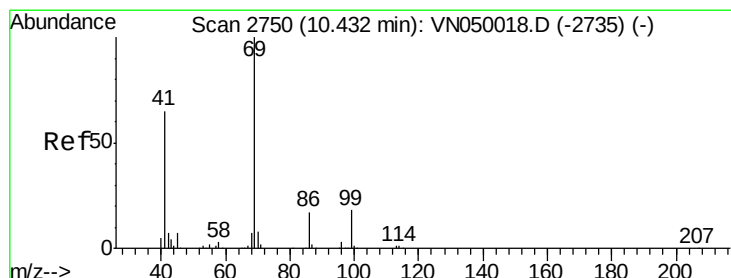
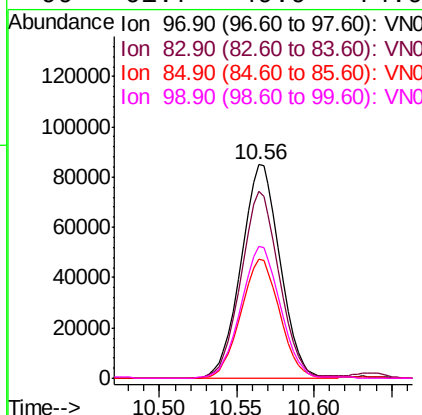
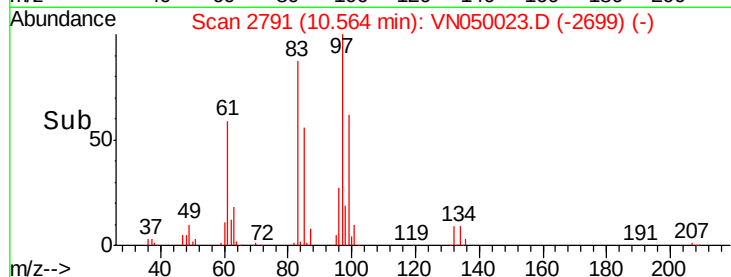
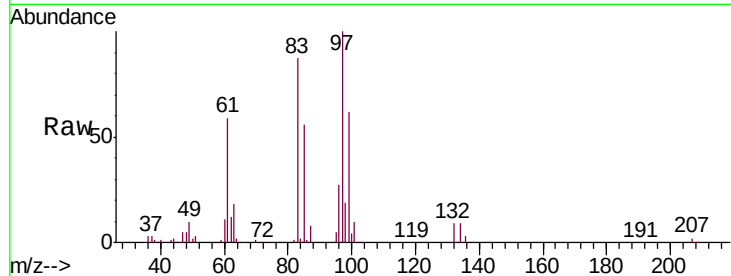
#55
 1,1,2-Trichloroethane
 Concen: 20.65 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		149451		
83	87.4	69.2	103.8		
85	56.0	44.0	66.0		
99	61.7	49.9	74.9		

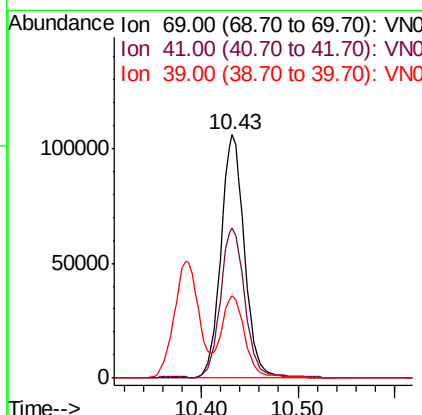
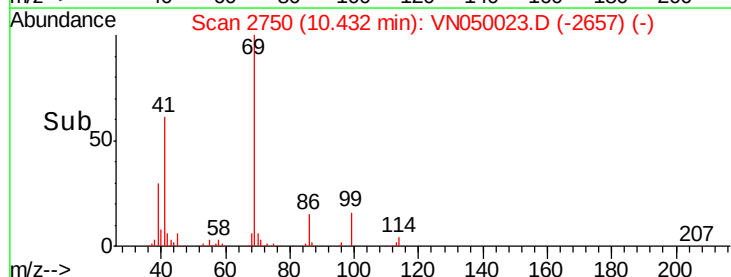
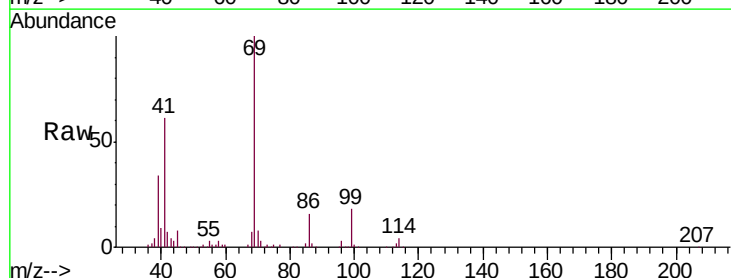
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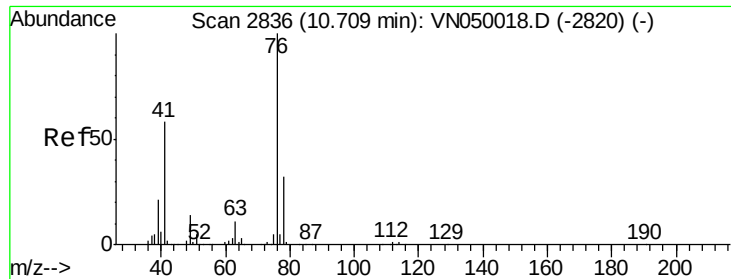
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#56
 Ethyl methacrylate
 Concen: 19.53 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		178755		
41	63.0	51.0	76.4		
39	34.2	26.6	40.0		





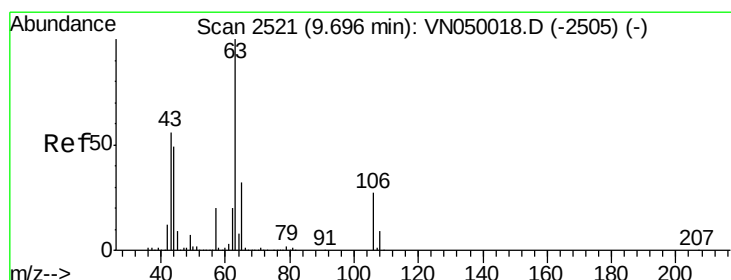
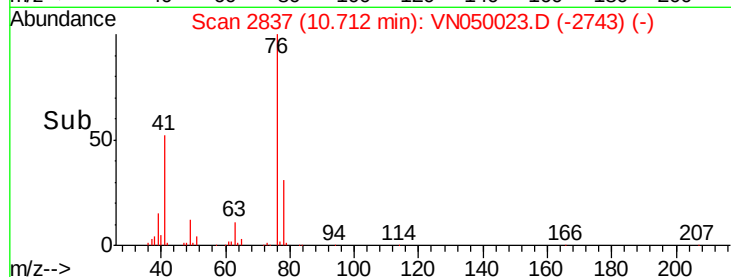
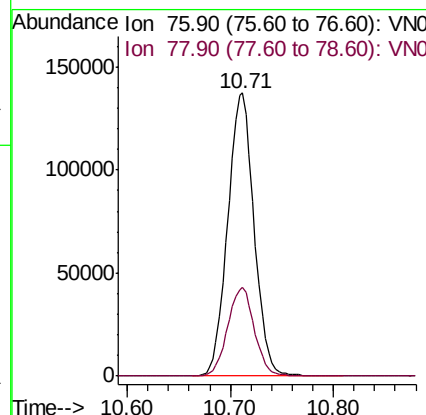
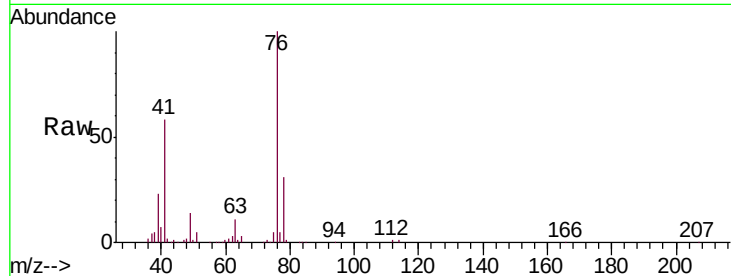
#57
 1,3-Dichloropropane
 Concen: 20.72 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion: 76 Resp: 244127
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5

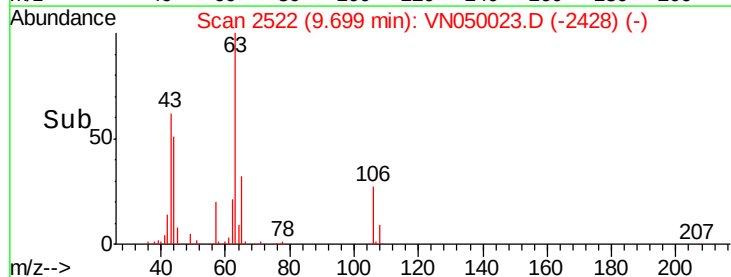
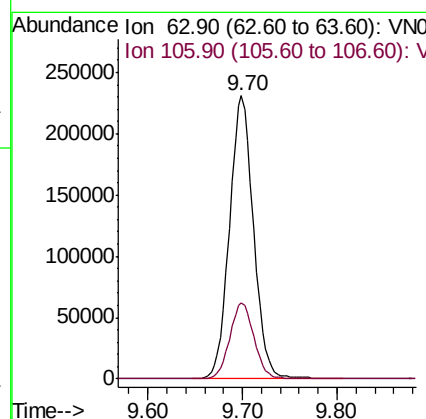
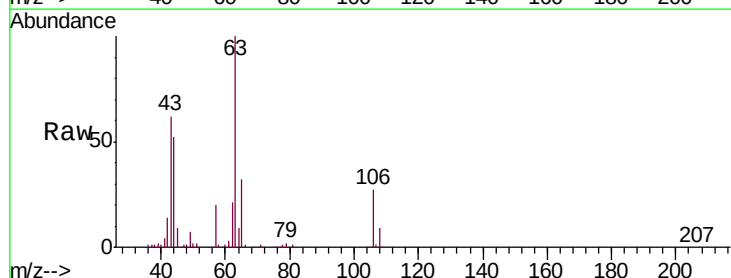
Manual Integrations
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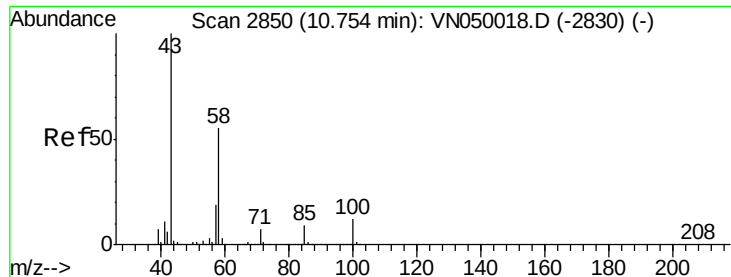
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#58
 2-Chloroethyl Vinyl ether
 Concen: 94.61 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion: 63 Resp: 408112
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





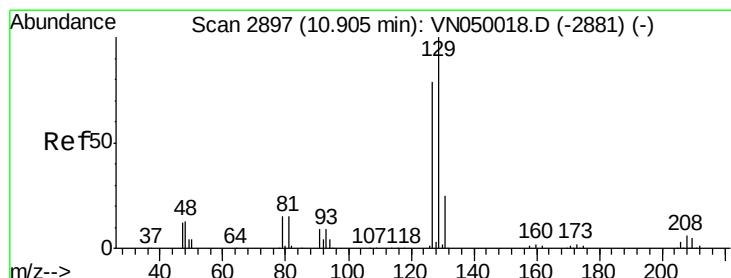
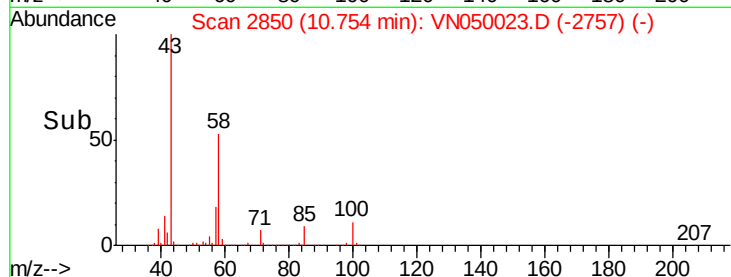
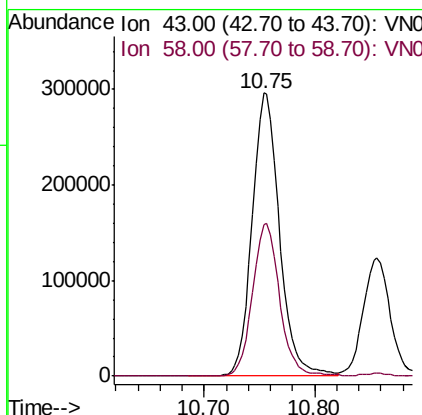
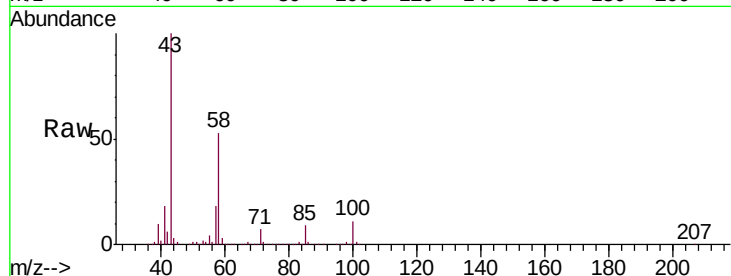
#59
2-Hexanone
Concen: 102.33 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion: 43 Resp: 507438
Ion Ratio Lower Upper
43 100
58 53.8 27.6 82.7

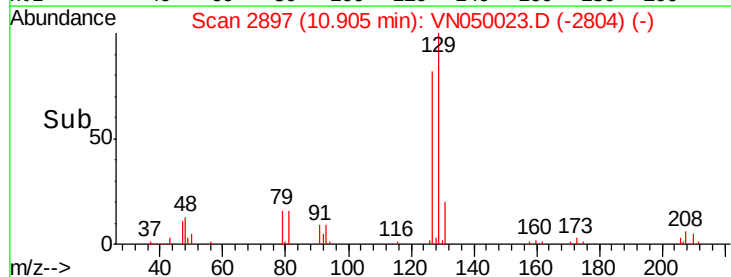
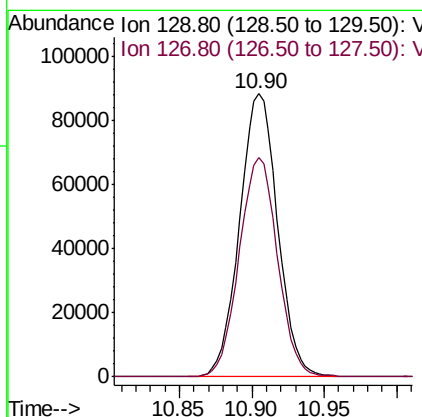
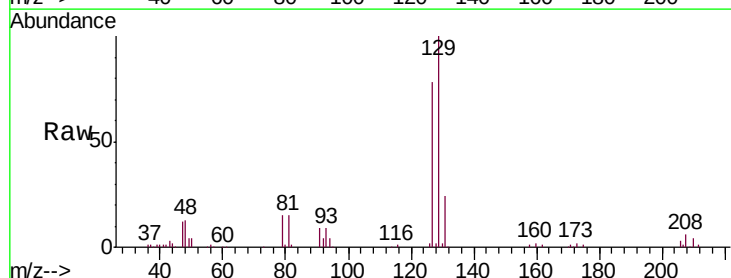
Manual Integrations
APPROVED

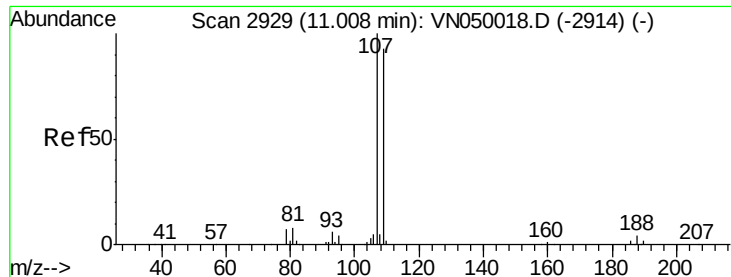
MMDadoda
7/26/2018 1:51:24 PM



#60
Dibromochloromethane
Concen: 20.09 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion: 129 Resp: 160911
Ion Ratio Lower Upper
129 100
127 78.2 38.0 113.9





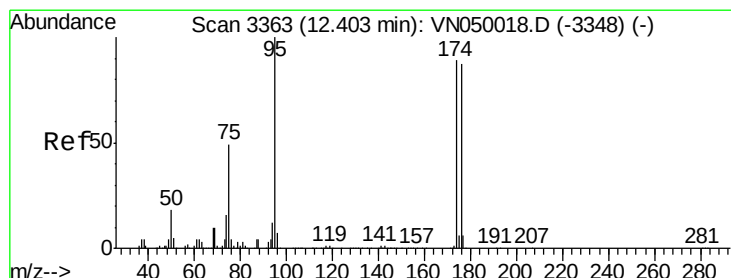
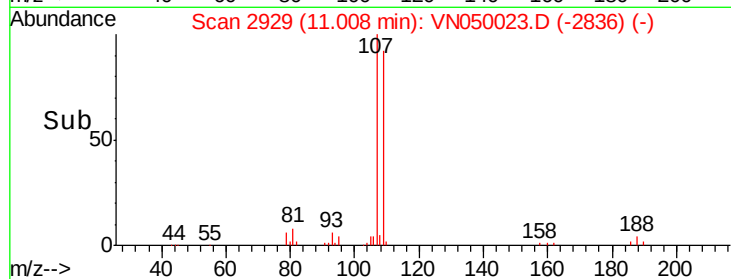
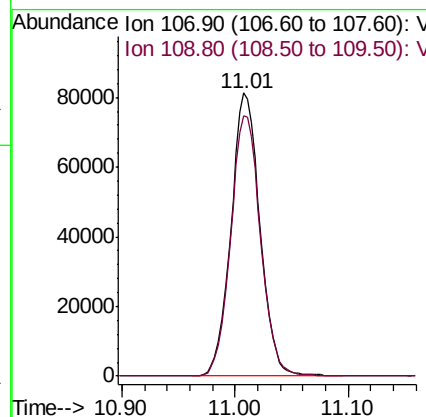
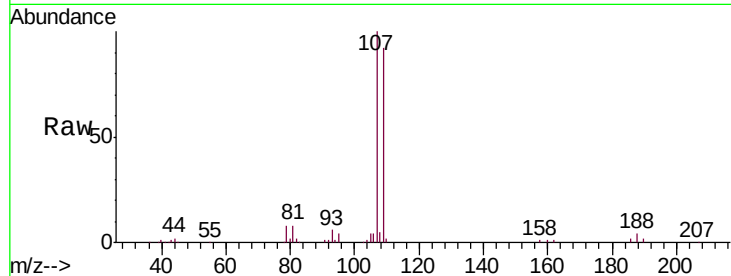
#61
 1,2-Dibromoethane
 Concen: 20.16 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.6	112.0

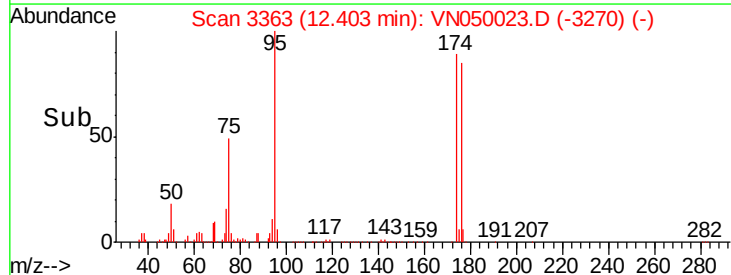
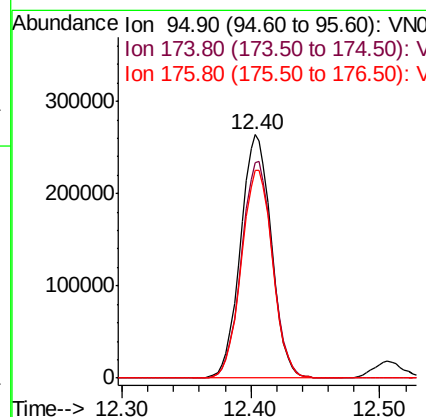
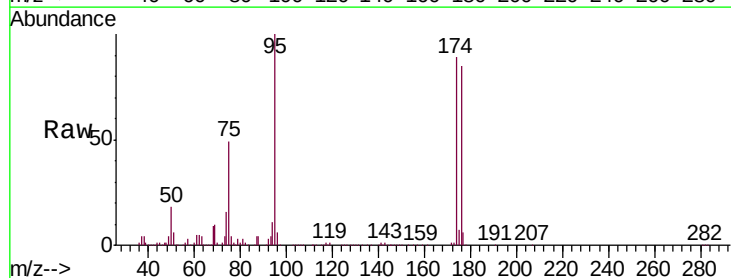
Manual Integrations
 APPROVED

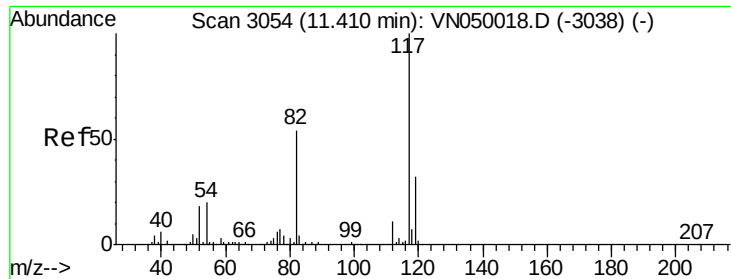
MMDadoda
 7/26/2018 1:51:24 PM



#62
 4-Bromofluorobenzene
 Concen: 49.30 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	178.2
176	86.7	0.0	173.4





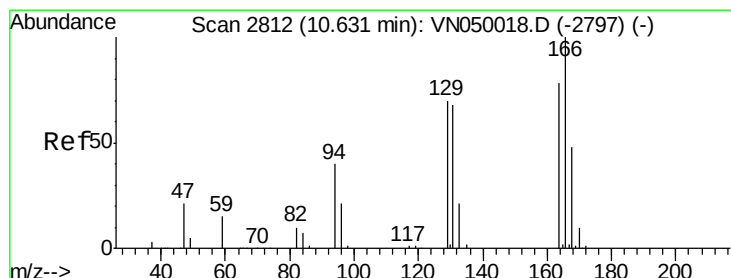
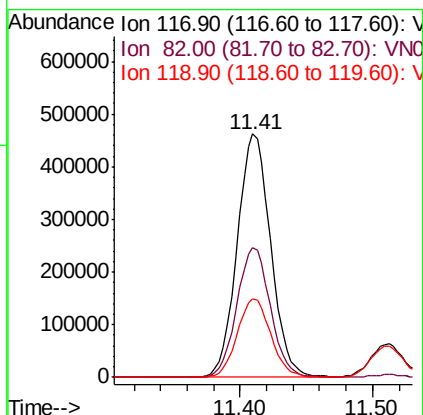
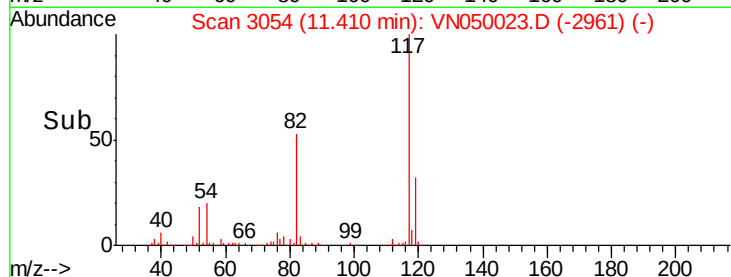
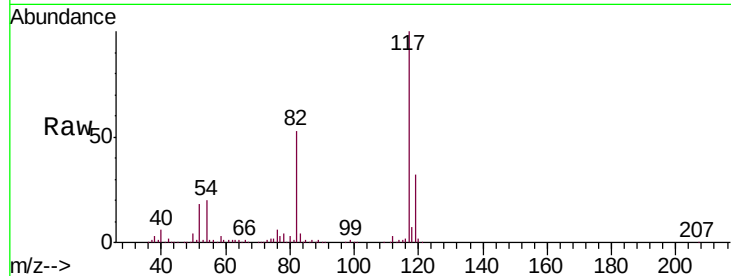
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.7	65.5
119	32.4	26.1	39.1

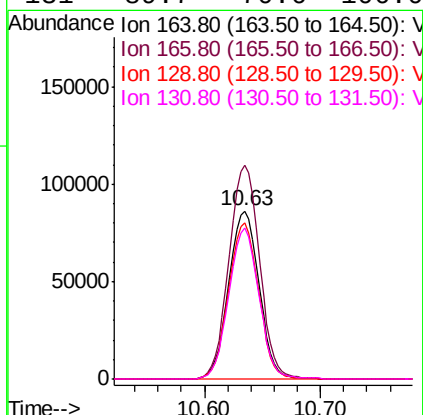
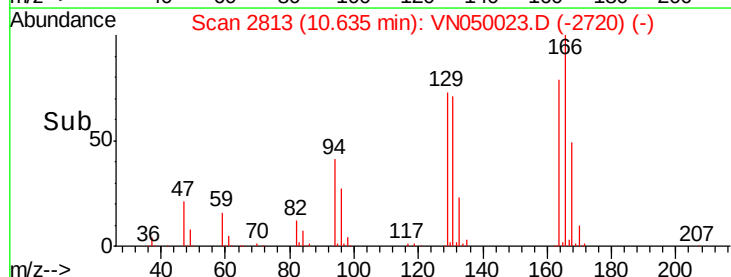
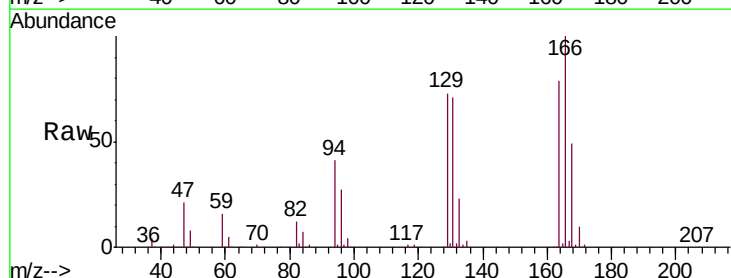
Manual Integrations
APPROVED

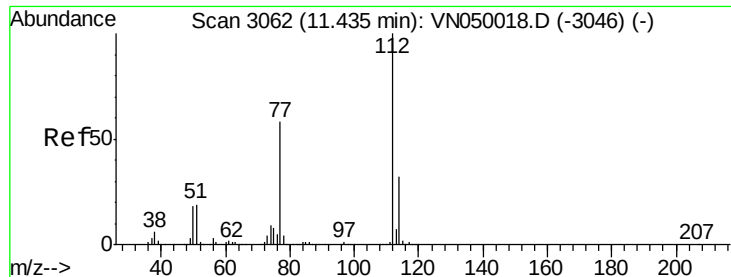
MMDadoda
7/26/2018 1:51:24 PM



#64
Tetrachloroethene
Concen: 20.07 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.1	153.1
129	92.8	73.2	109.8
131	89.7	70.6	106.0





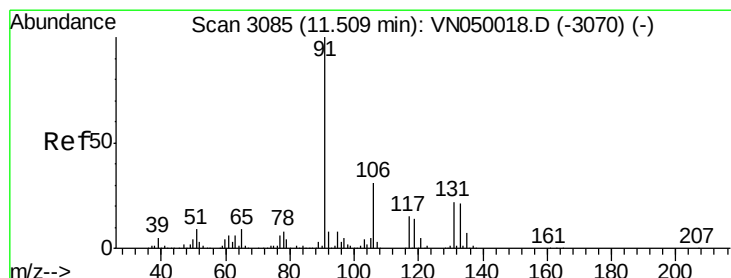
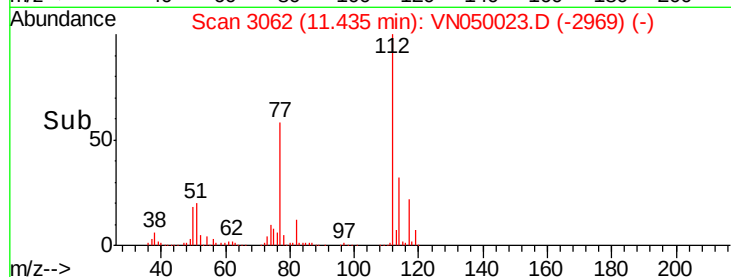
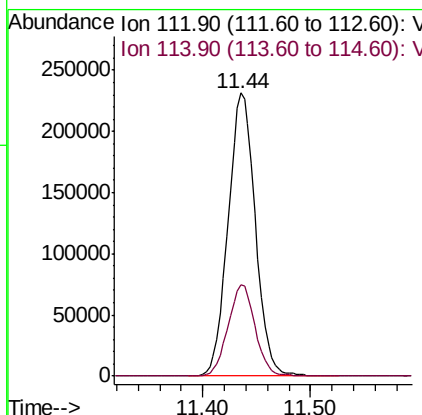
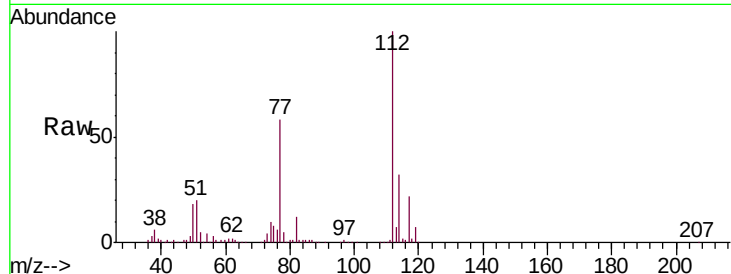
#65
Chlorobenzene
Concen: 19.91 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampled :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4

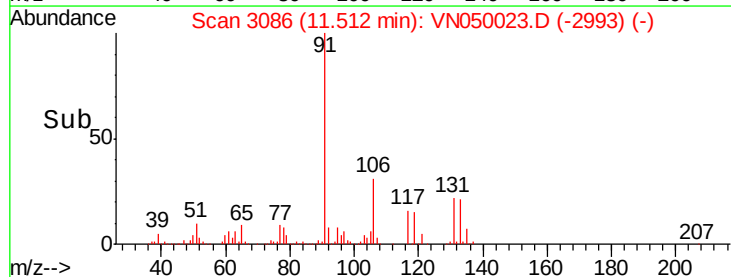
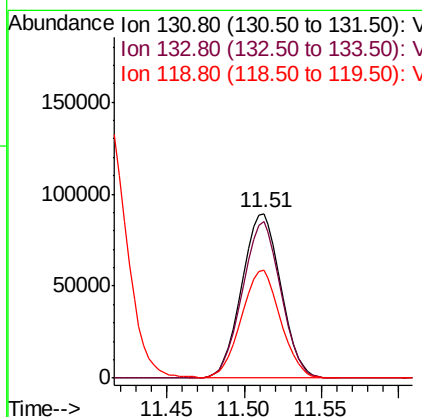
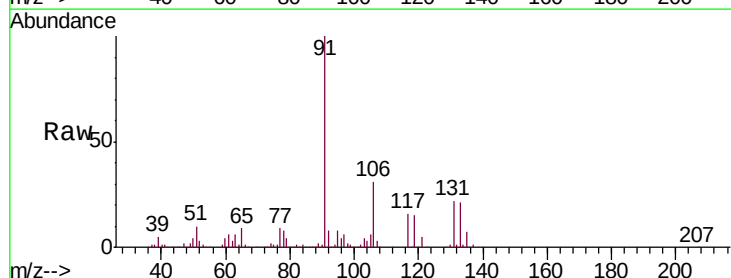
Manual Integrations
APPROVED

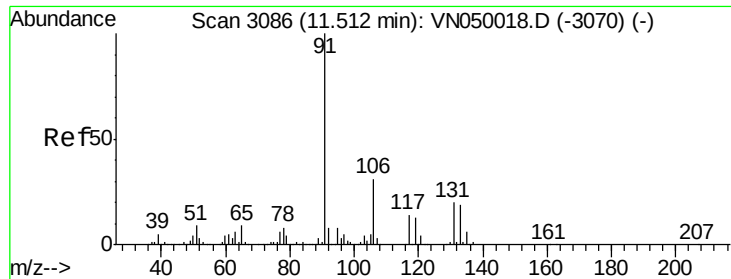
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.03 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	141.9
119	65.9	32.9	98.7





#67

Ethyl Benzene

Concen: 20.54 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 91 Resp: 675490

Ion Ratio Lower Upper

91 100

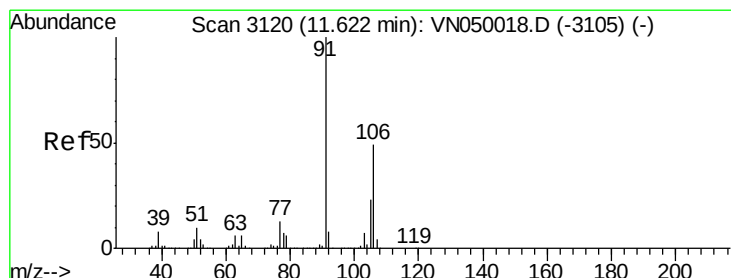
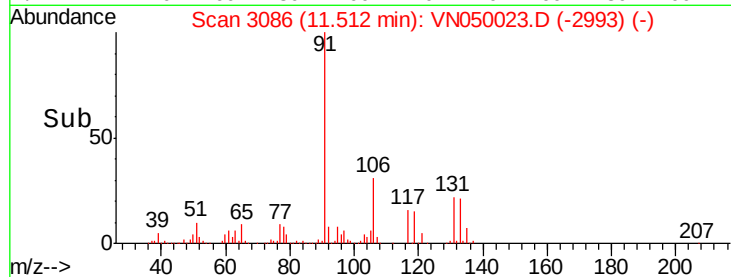
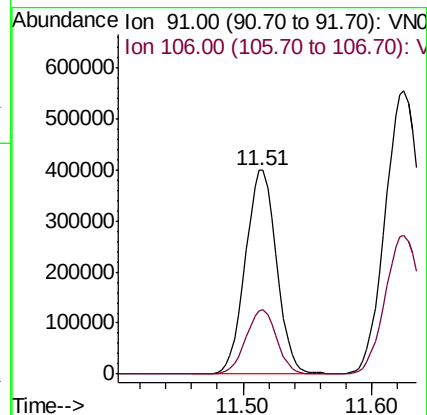
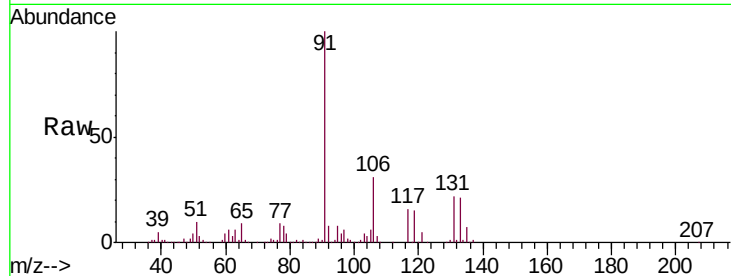
106 31.3 25.0 37.4

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 42.37 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050023.D

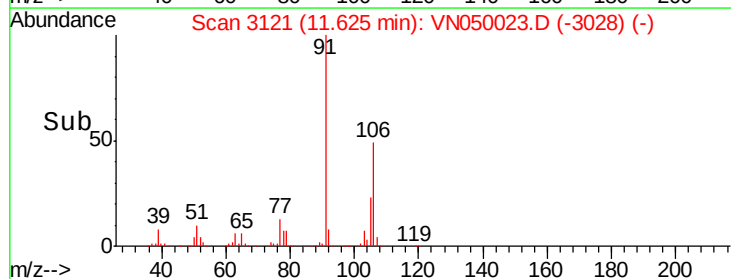
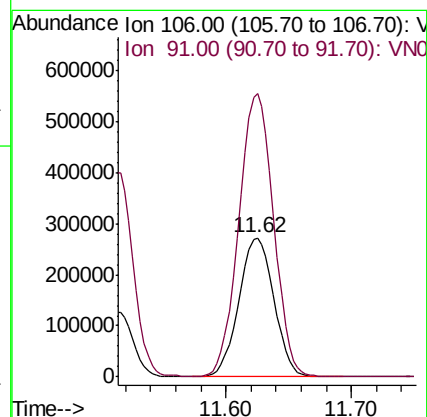
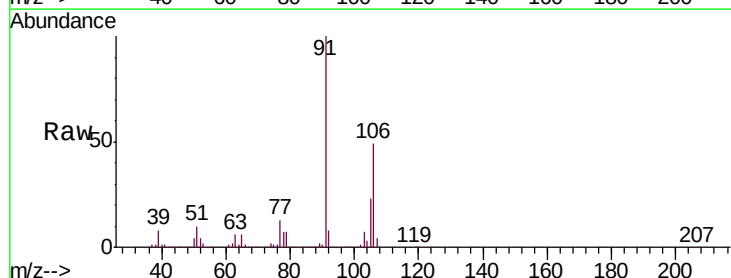
Acq: 24 Jul 2018 16:18

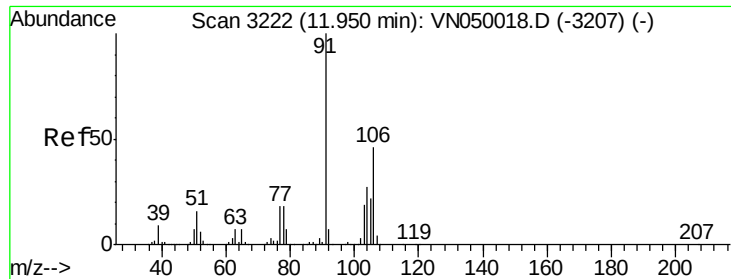
Tgt Ion: 106 Resp: 526968

Ion Ratio Lower Upper

106 100

91 202.4 162.2 243.2





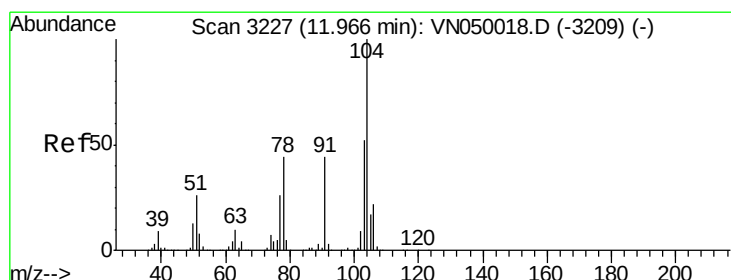
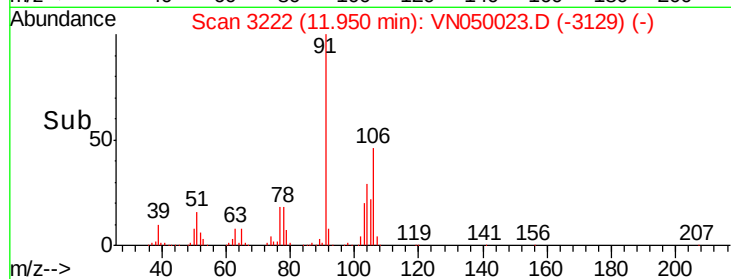
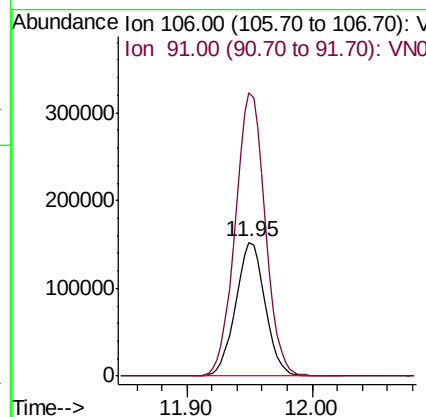
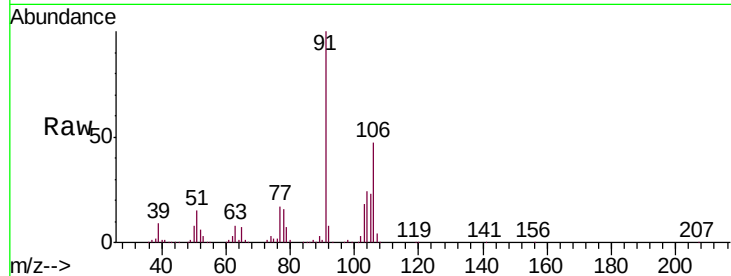
#69
o-Xylene
Concen: 20.99 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.6	107.7	323.1	

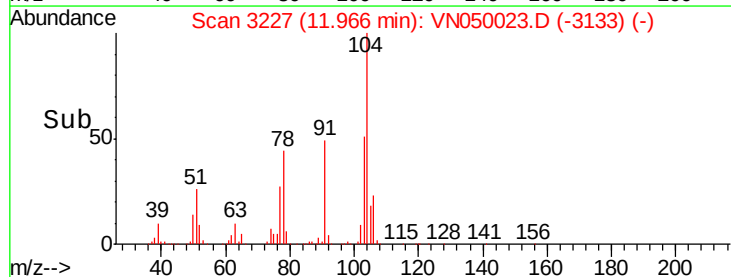
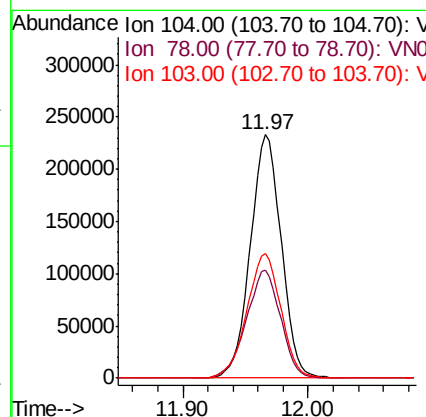
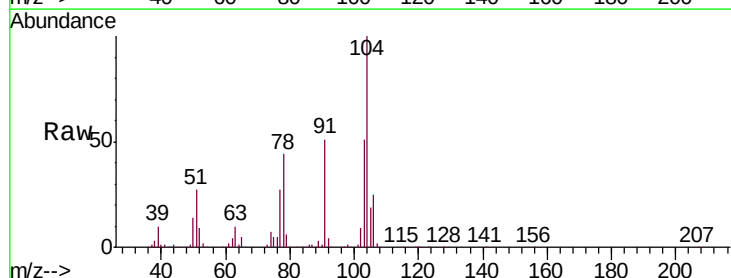
Manual Integrations
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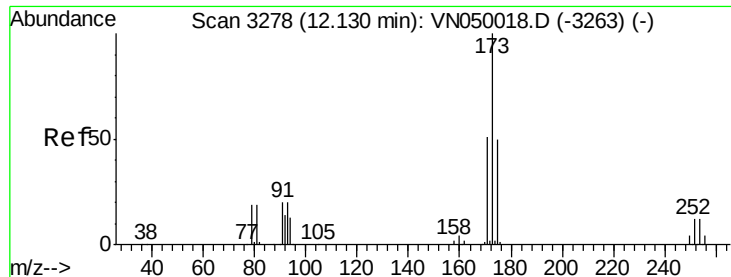
MMDadoda
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#70
Styrene
Concen: 19.57 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.2	39.3	58.9	
103	56.0	45.0	67.6	





#71

Bromoform

Concen: 20.07 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion:173 Resp: 114840

Ion Ratio Lower Upper

173 100

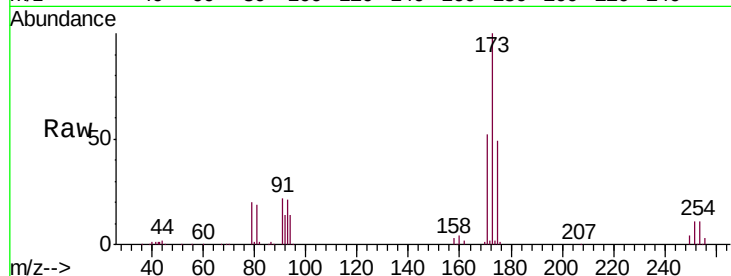
175 47.7 24.1 72.2

254 0.0 0.2 0.2#

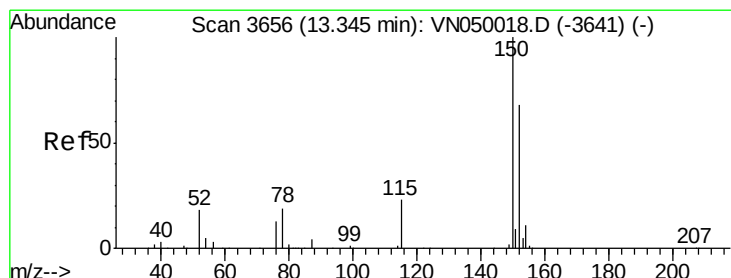
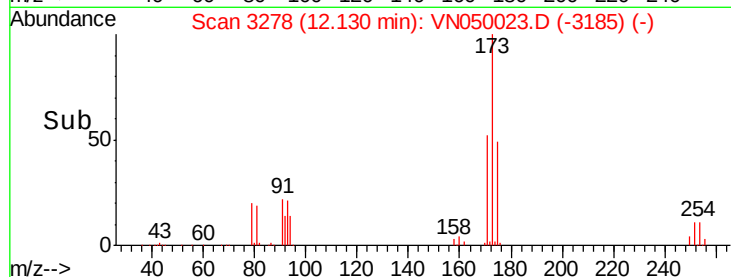
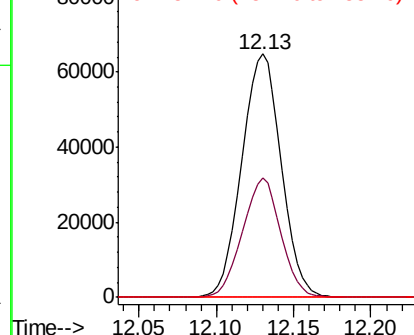
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

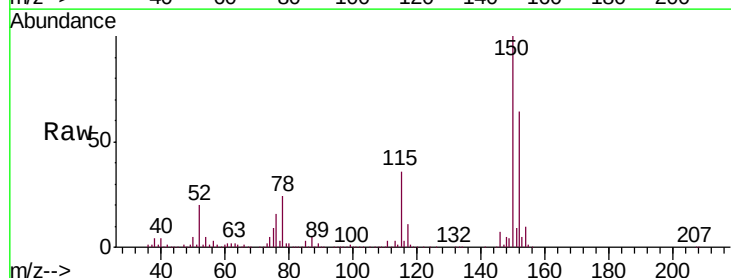
Tgt Ion:152 Resp: 417706

Ion Ratio Lower Upper

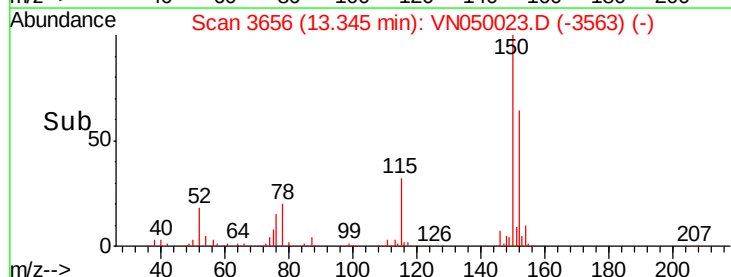
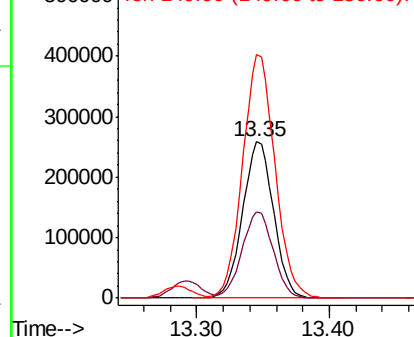
152 100

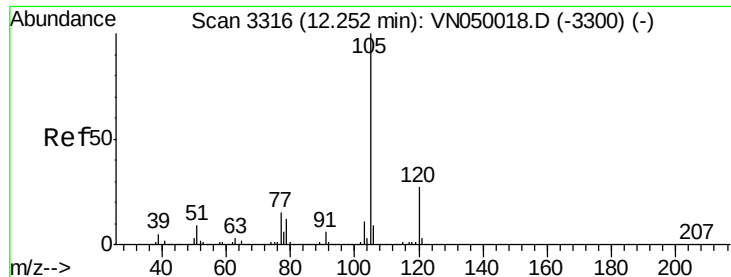
115 55.7 27.8 83.3

150 163.3 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.60 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion:105 Resp: 667428

Ion Ratio Lower Upper

105 100

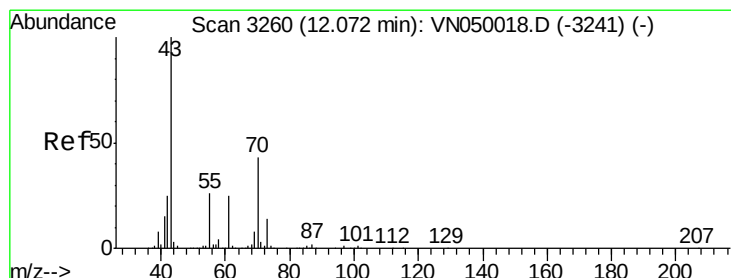
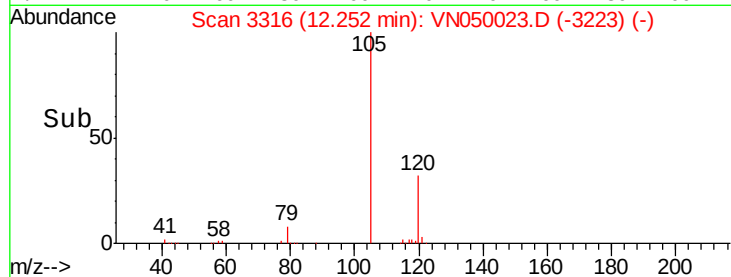
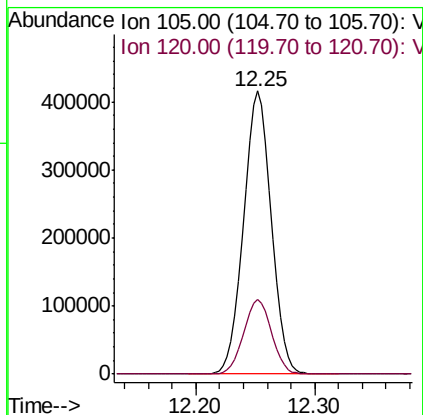
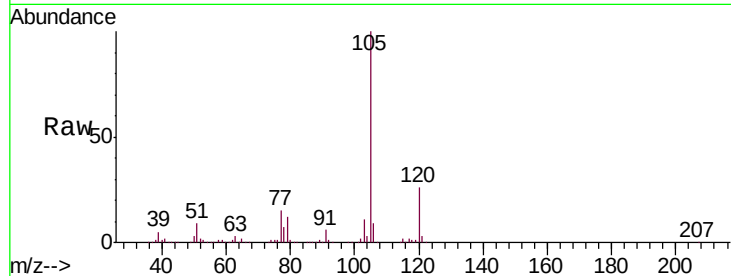
120 26.7 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.18 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Tgt Ion: 43 Resp: 199785

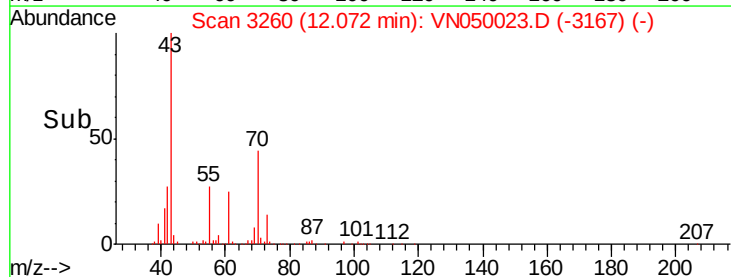
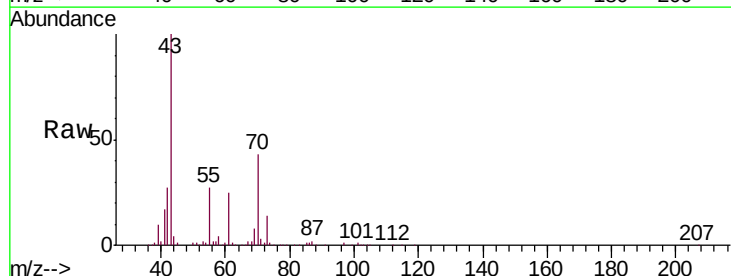
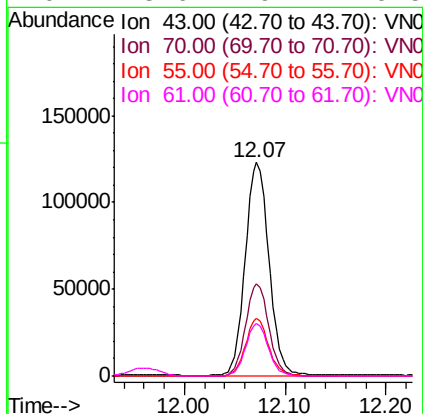
Ion Ratio Lower Upper

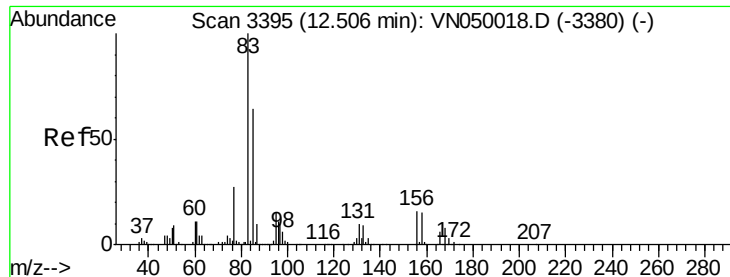
43 100

70 42.0 34.4 51.6

55 26.2 20.8 31.2

61 23.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.13 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

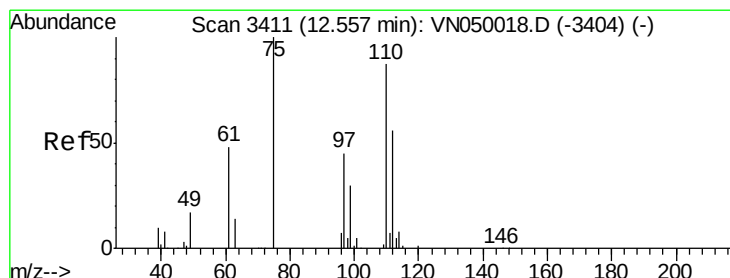
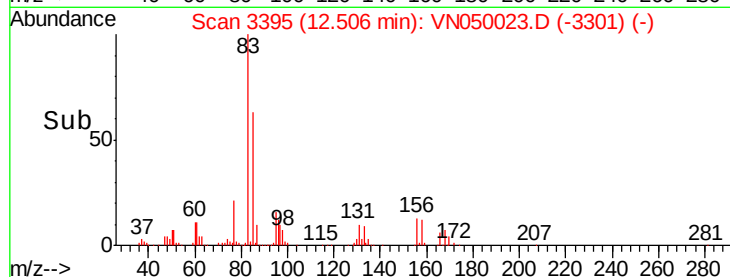
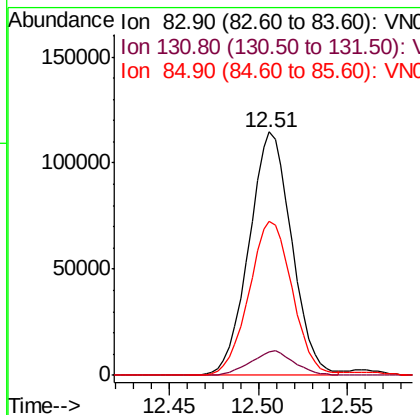
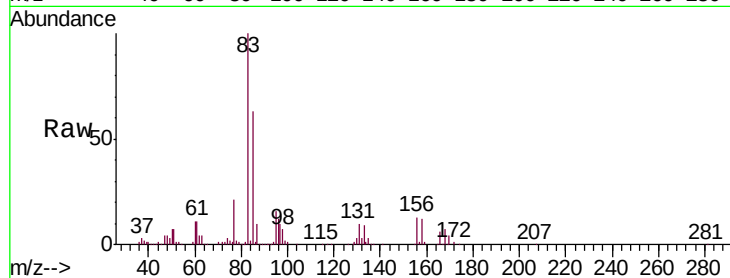
ClientSampleId :

VN0724WBS01

Tot Ion:	83	Resp:	191633
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.25 ug/l m

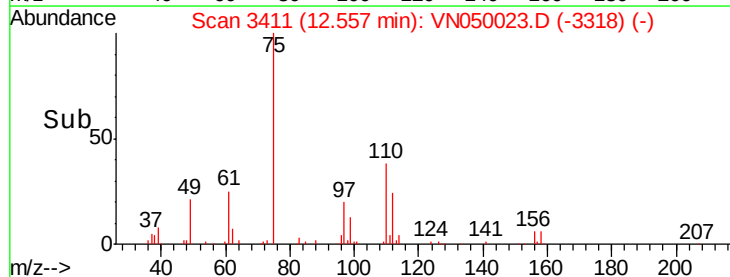
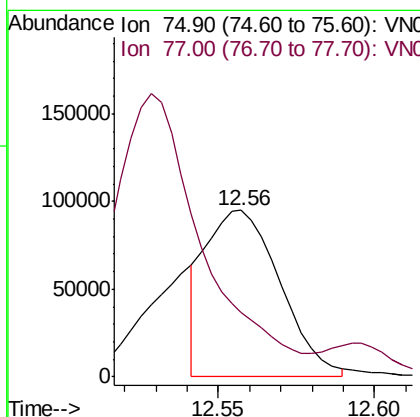
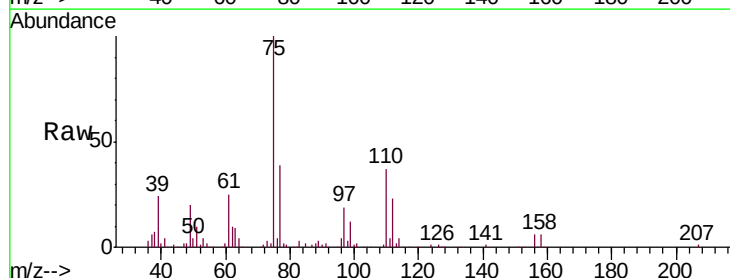
RT: 12.56 min Scan# 3411

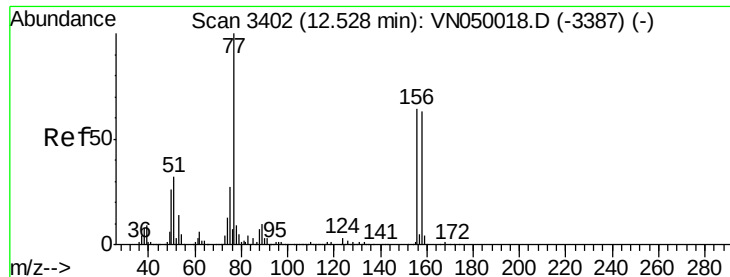
Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Tgt Ion:	75	Resp:	157191
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.81 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion:156 Resp: 177908

Ion Ratio Lower Upper

156 100

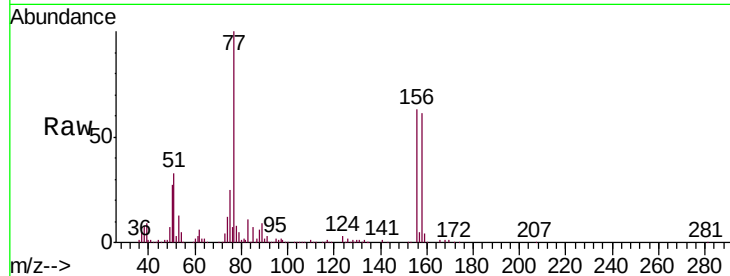
77 184.5 91.7 275.1

158 96.3 48.9 146.6

Manual Integrations
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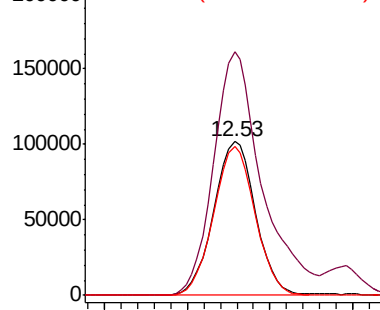
7/26/2018 1:51:24 PM



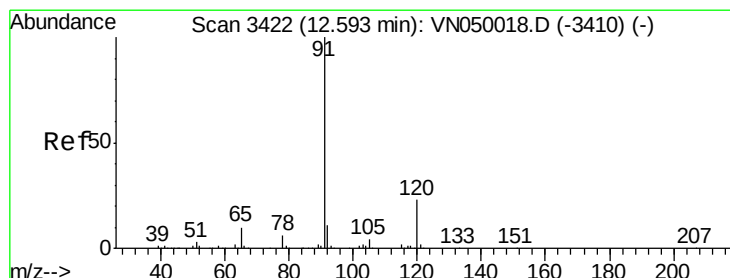
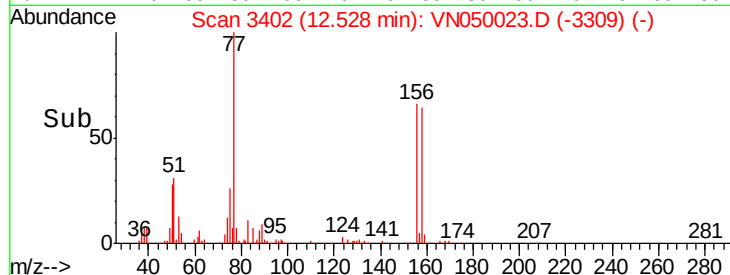
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 21.02 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050023.D

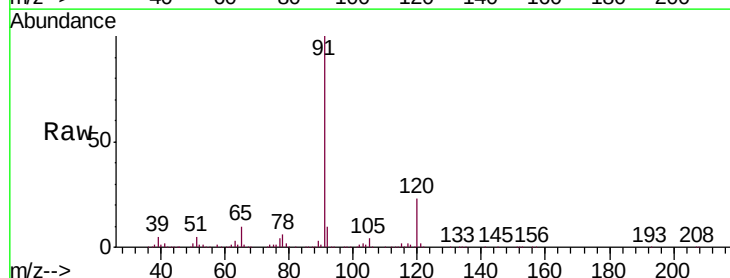
Acq: 24 Jul 2018 16:18

Tgt Ion: 91 Resp: 761047

Ion Ratio Lower Upper

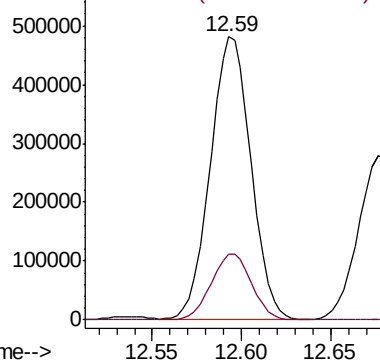
91 100

120 23.3 11.6 34.7

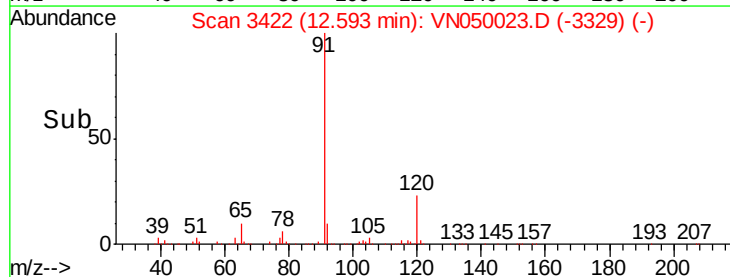


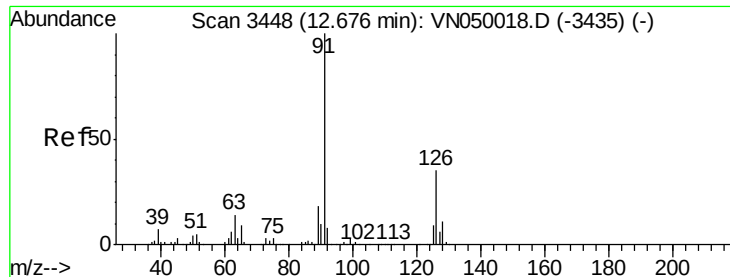
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 20.65 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion: 91 Resp: 463549

Ion Ratio Lower Upper

91 100

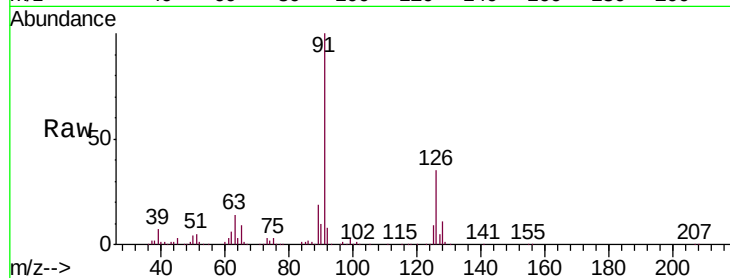
126 34.9 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)

400000

300000

200000

100000

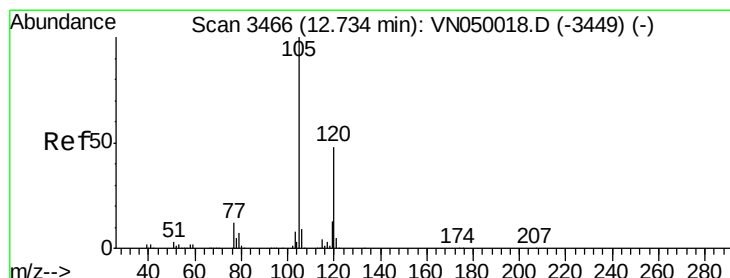
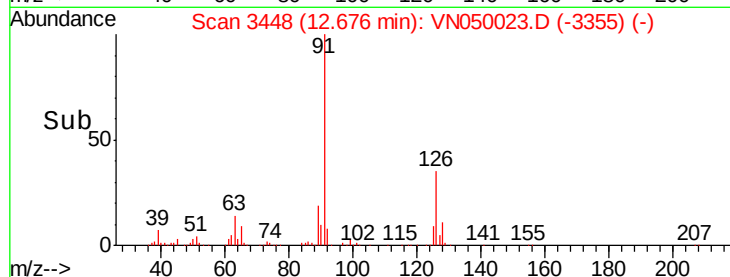
0

12.65

12.70

12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.44 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050023.D

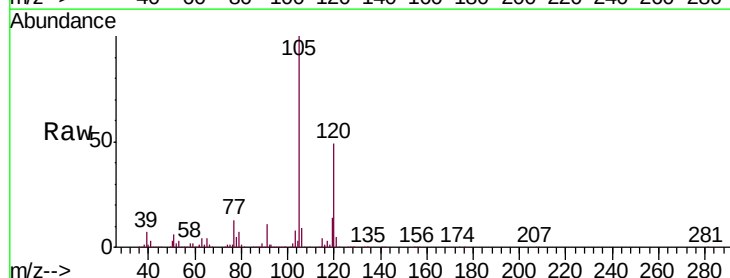
Acq: 24 Jul 2018 16:18

Tgt Ion: 105 Resp: 546442

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)

400000

300000

200000

100000

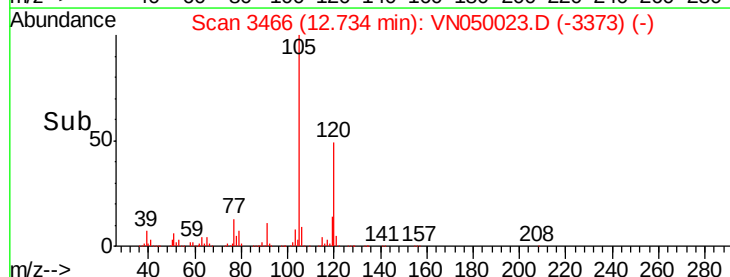
0

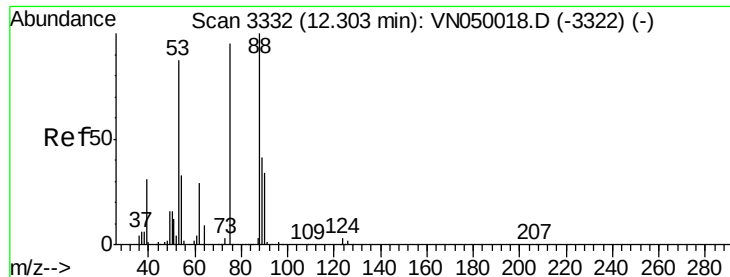
12.70

12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.17 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

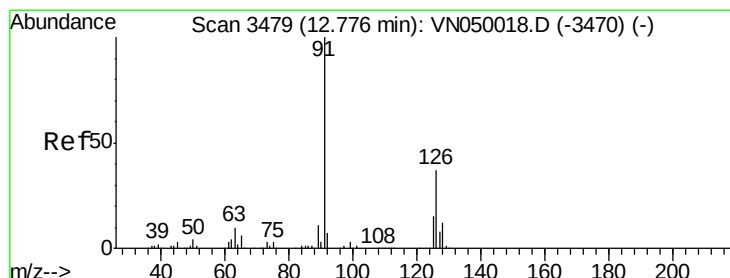
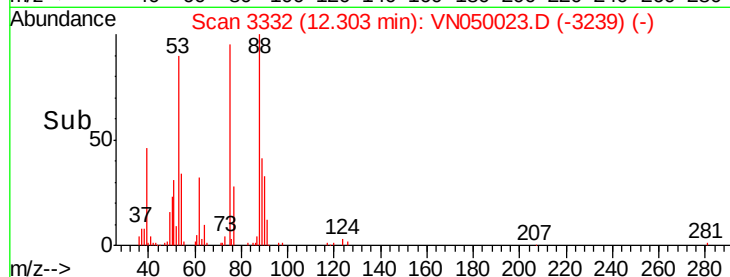
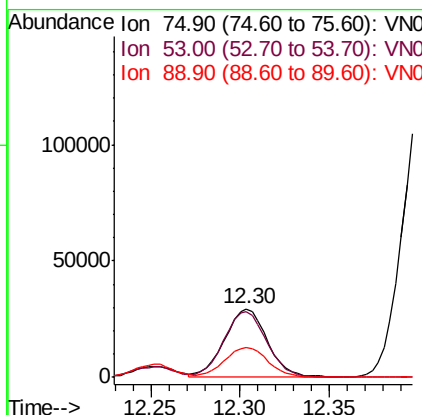
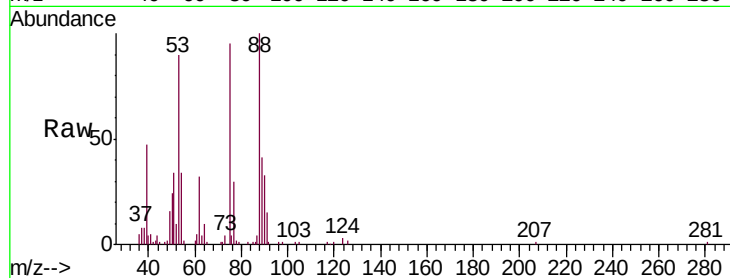
ClientSampleId :

VN0724WBS01

Tot Ion:	75	Resp:	49354
Ion	Ratio	Lower	Upper
75	100		
53	96.8	73.5	110.3
89	44.3	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.86 ug/l

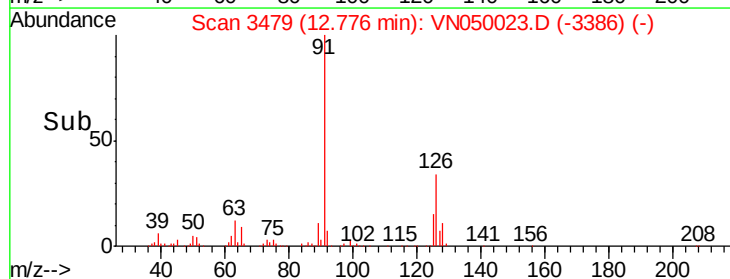
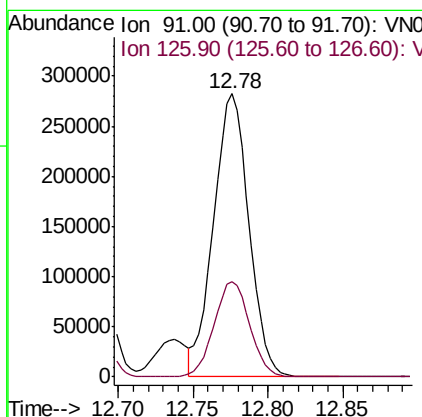
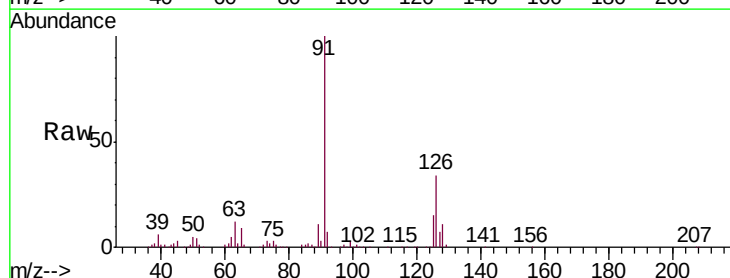
RT: 12.78 min Scan# 3479

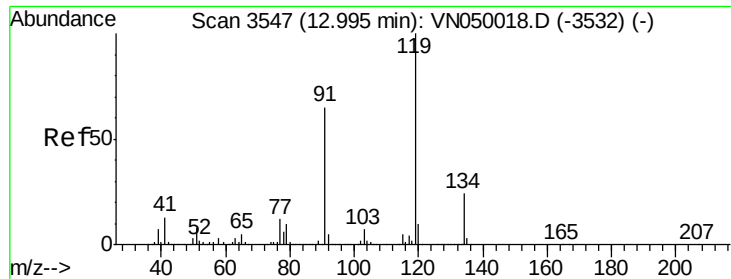
Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Tgt Ion:	91	Resp:	463530
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	51.0





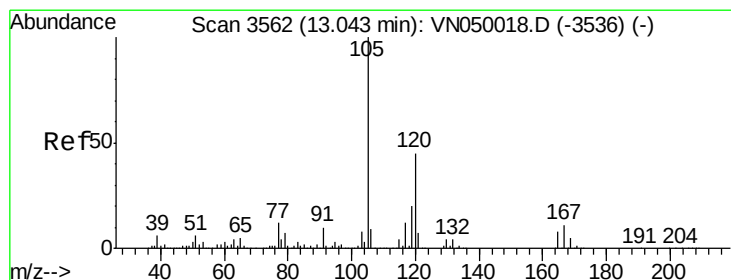
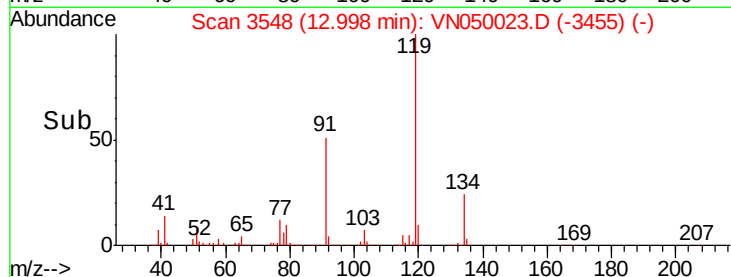
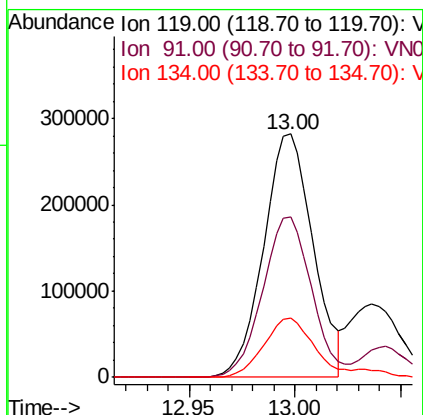
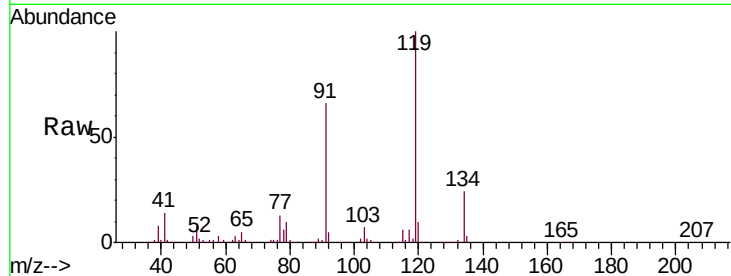
#83
 tert-Butylbenzene
 Concen: 20.74 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0724WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.1	96.3
134	24.7	13.2	39.5

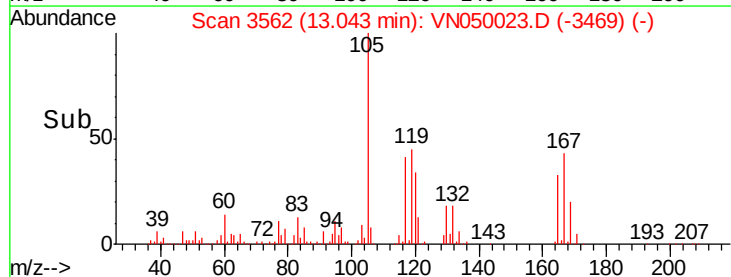
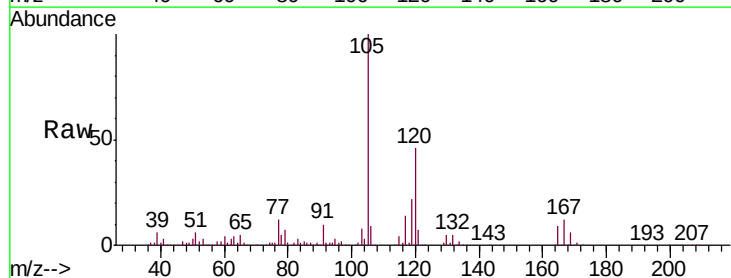
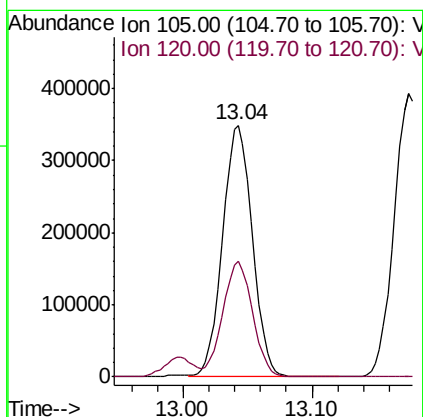
Manual Integrations
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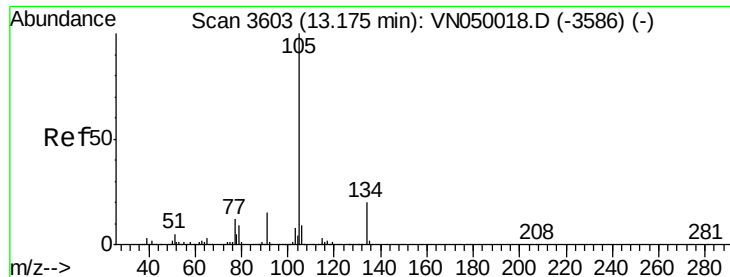
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.71 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.14 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion:105 Resp: 628245

Ion Ratio Lower Upper

105 100

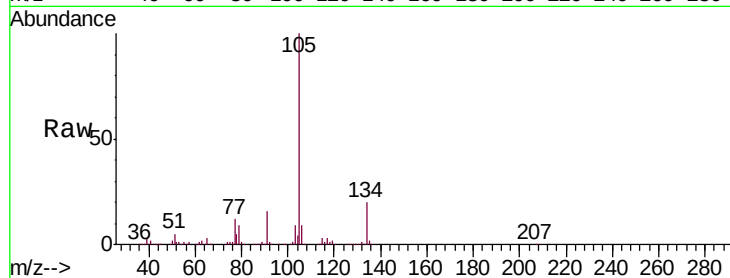
134 19.8 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

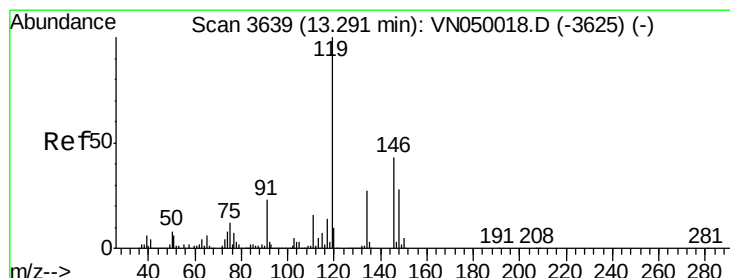
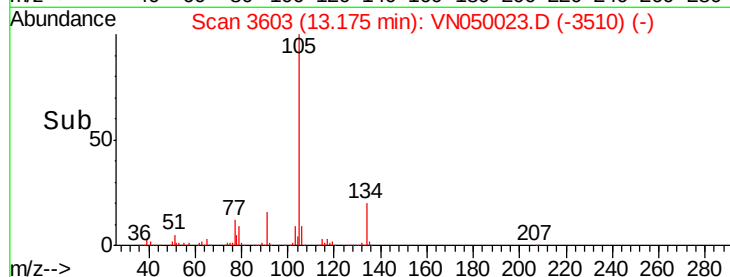
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.45 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN050023.D

Acq: 24 Jul 2018 16:18

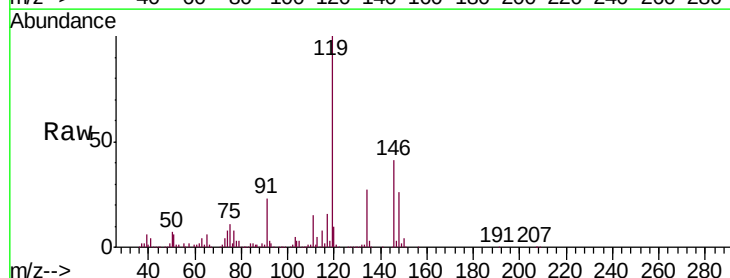
Tgt Ion:119 Resp: 536938

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 23.1 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

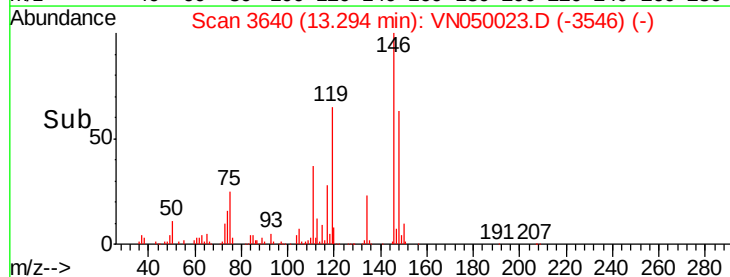
300000

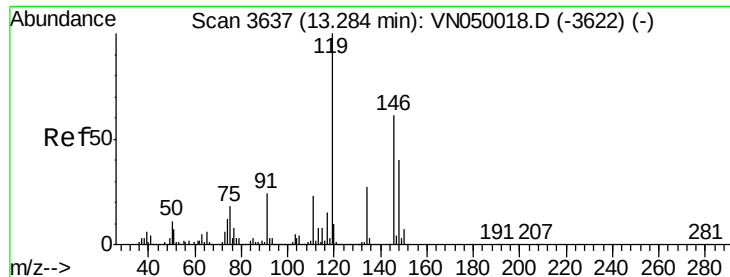
200000

100000

0

Time-->





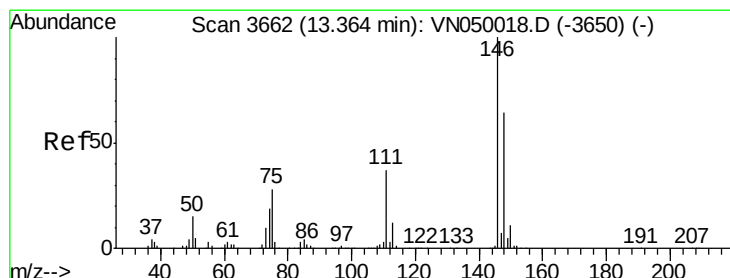
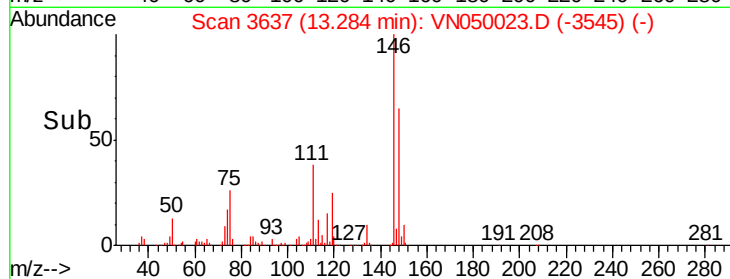
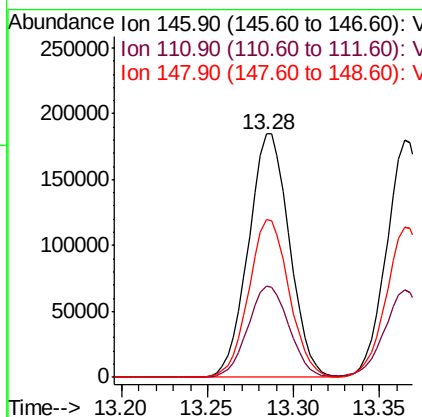
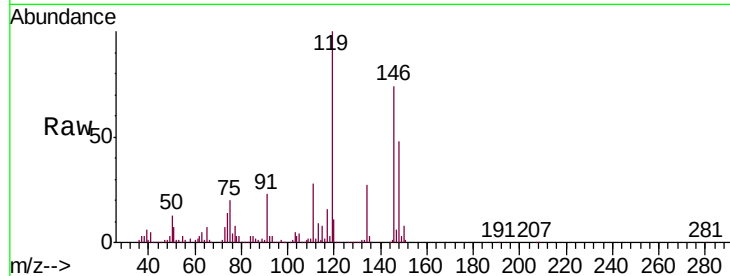
#87
 1,3-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	305815		
111	37.5	18.8	56.4	
148	63.7	31.9	95.9	

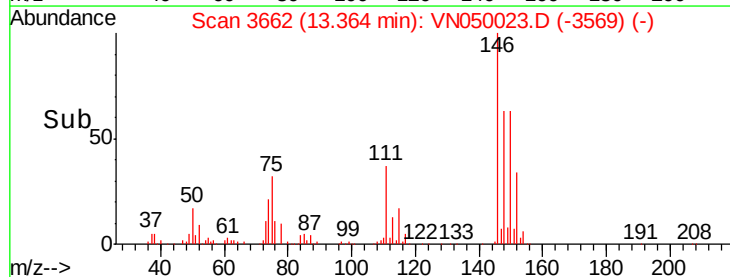
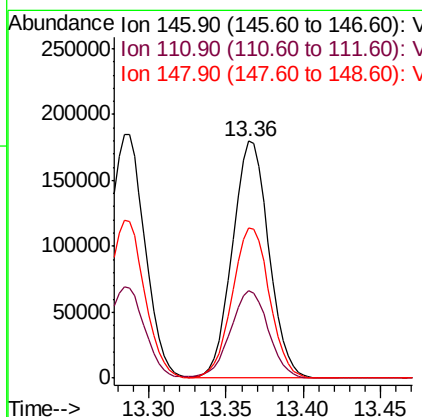
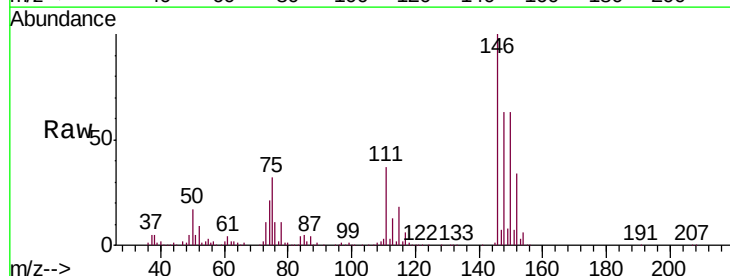
Manual Integrations
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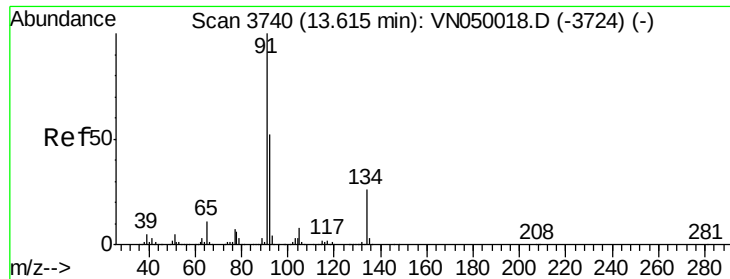
MMDadoda
 7/26/2018 1:51:24 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	294117		
111	38.3	18.3	54.9	
148	64.8	31.9	95.9	





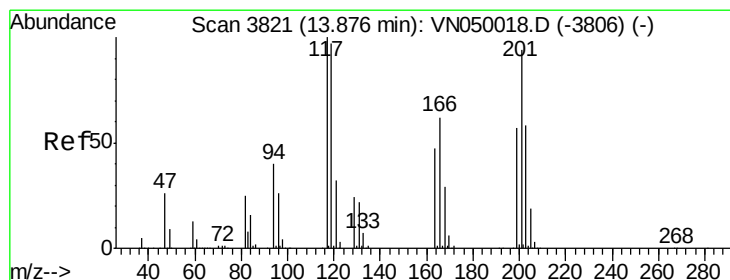
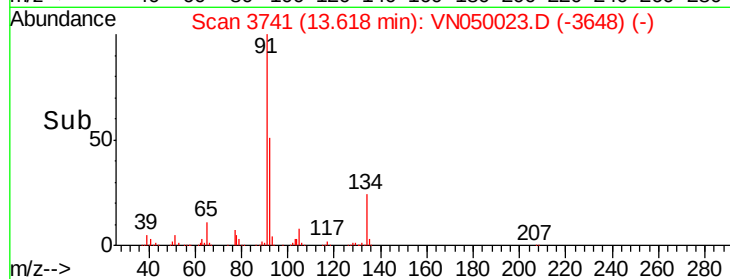
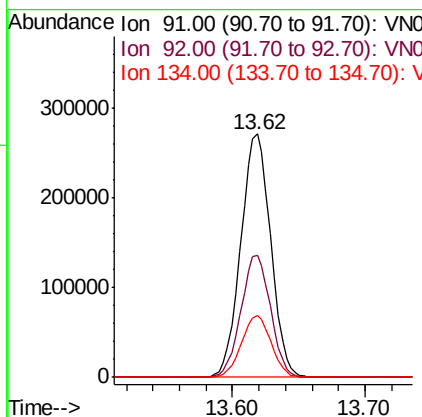
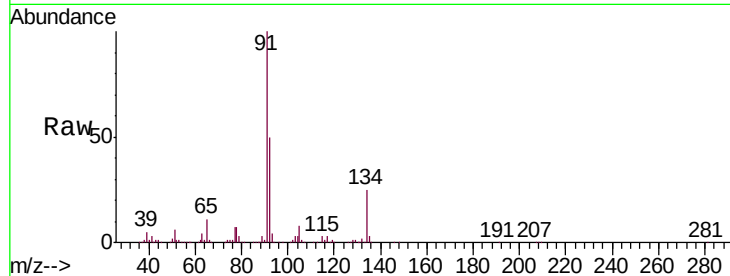
#89
n-Butylbenzene
Concen: 20.60 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.6	25.8	77.4
134	25.1	12.8	38.4

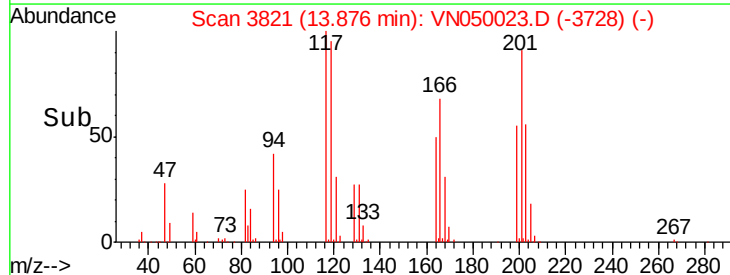
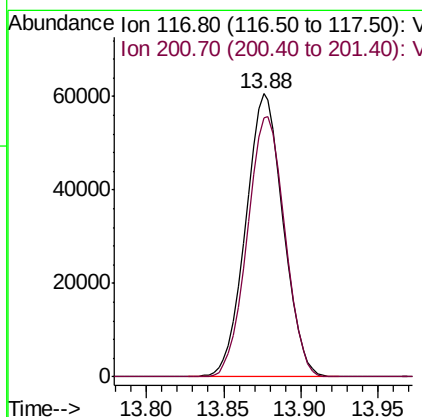
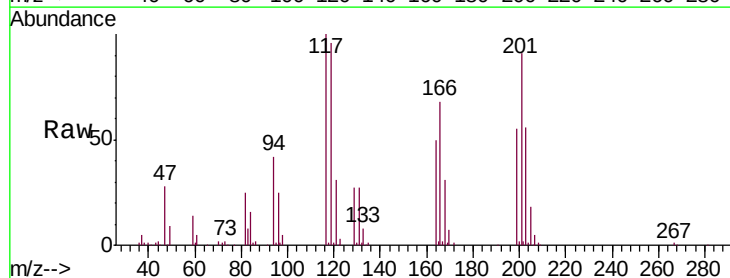
Manual Integrations
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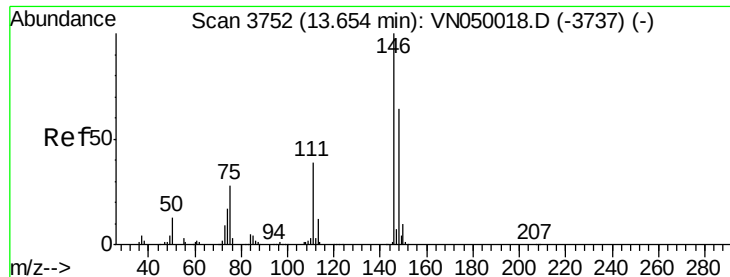
MMDadoda
7/26/2018 1:51:24 PM



#90
Hexachloroethane
Concen: 18.42 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	45.6	136.8





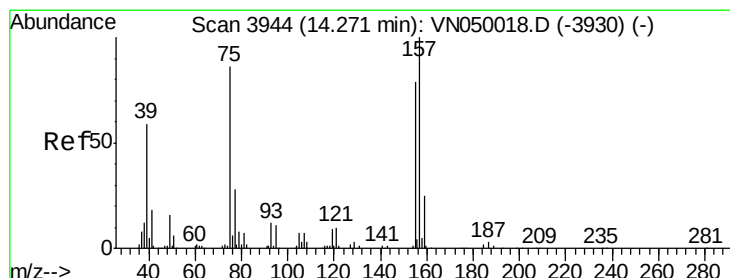
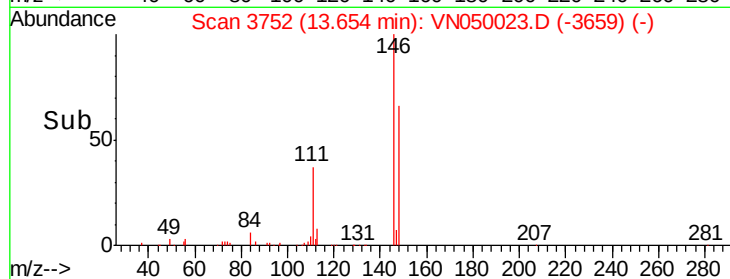
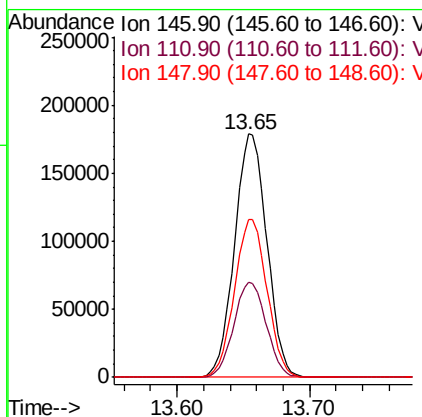
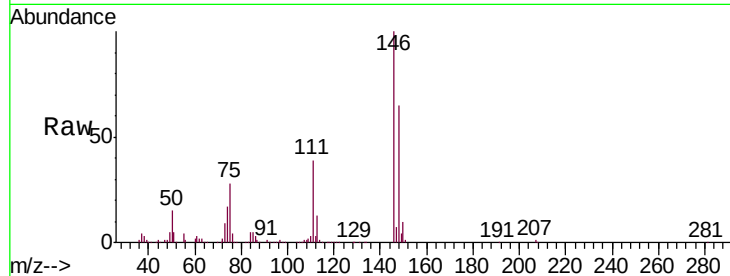
#91
 1,2-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	65.2	32.1	96.3

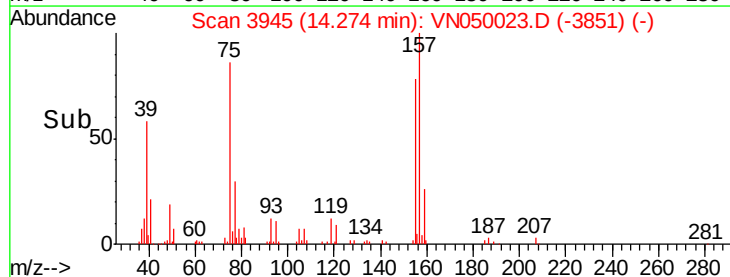
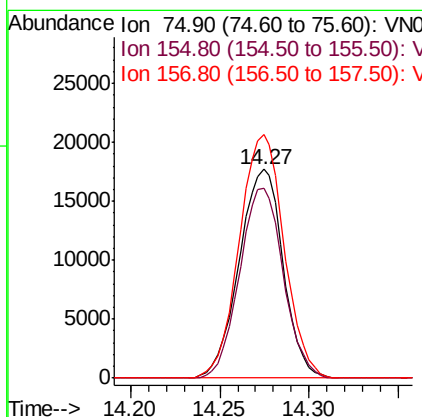
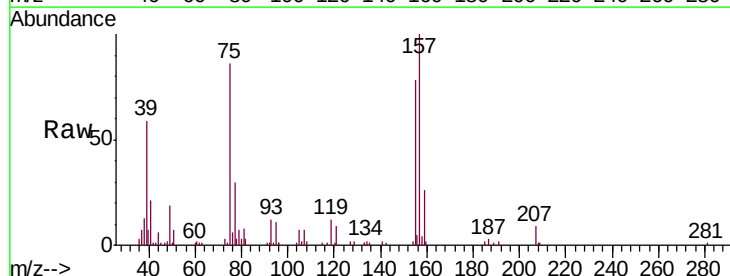
Manual Integrations
 APPROVED

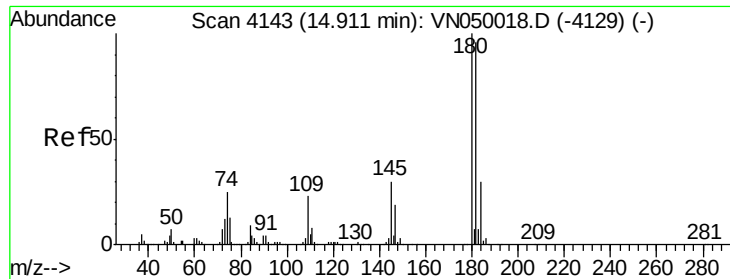
MMDadoda
 7/26/2018 1:51:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.59 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	44.8	134.4
157	118.8	57.2	171.6





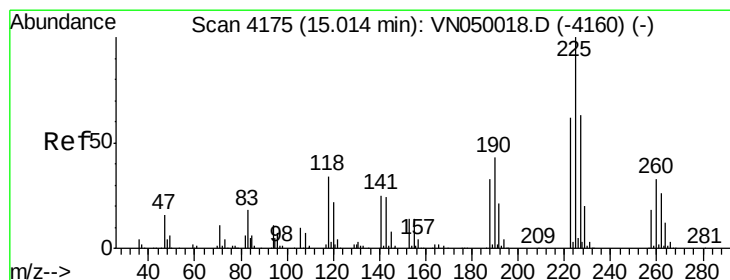
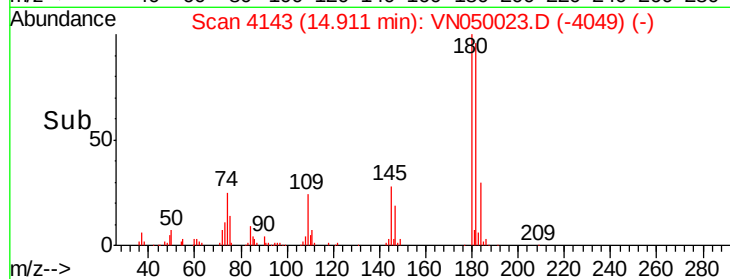
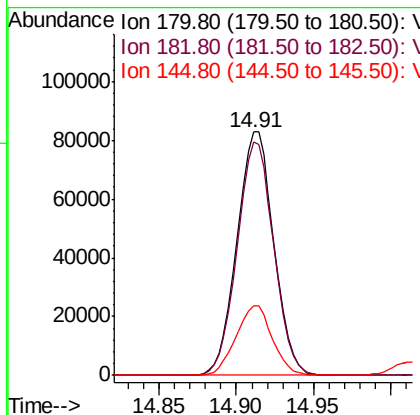
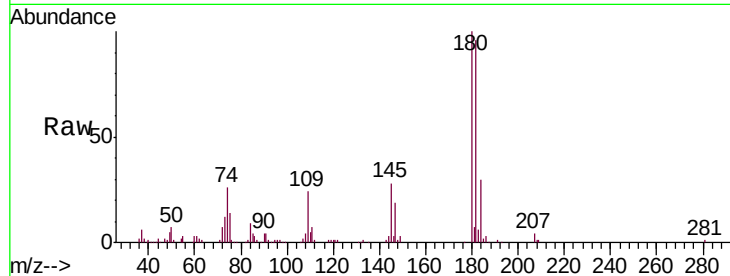
#93
 1,2,4-Trichlorobenzene
 Concen: 18.98 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136669		
182	95.3	46.7	140.1	
145	28.1	13.8	41.4	

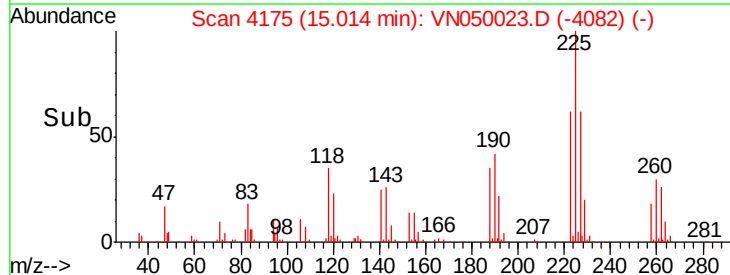
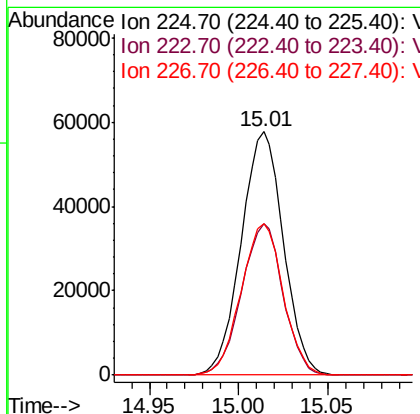
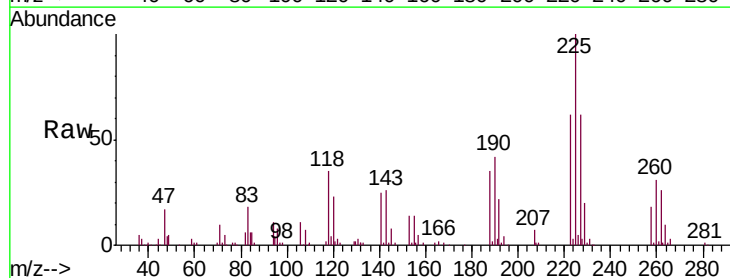
Manual Integrations
 APPROVED

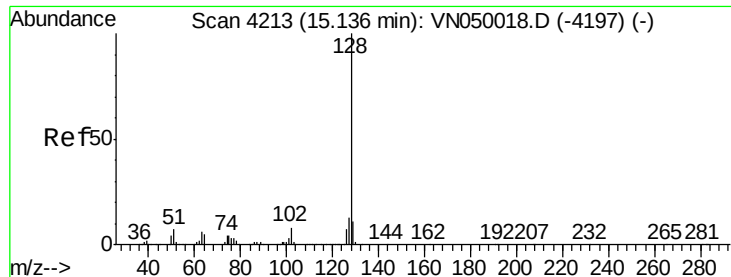
MMDadoda
 7/26/2018 1:51:24 PM



#94
 Hexachlorobutadiene
 Concen: 20.43 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050023.D
 Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95146		
223	61.0	31.4	94.2	
227	61.9	32.1	96.5	





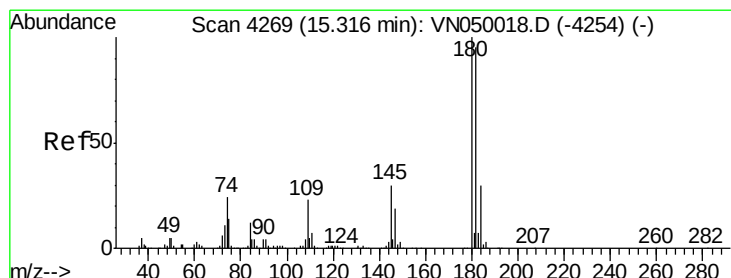
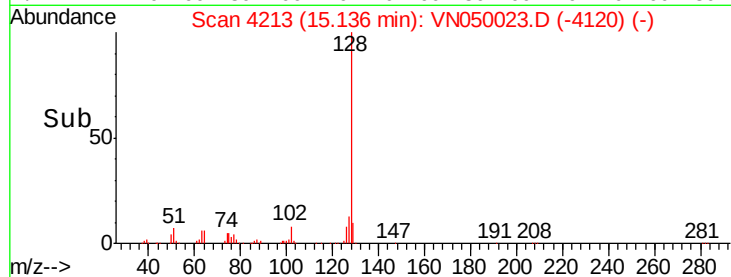
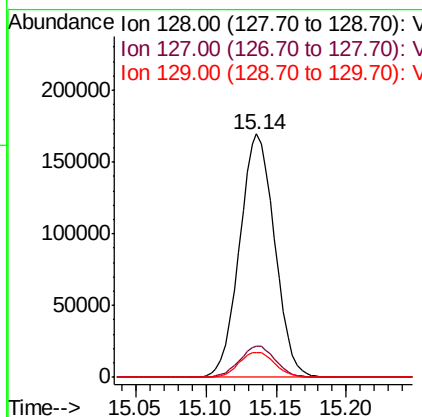
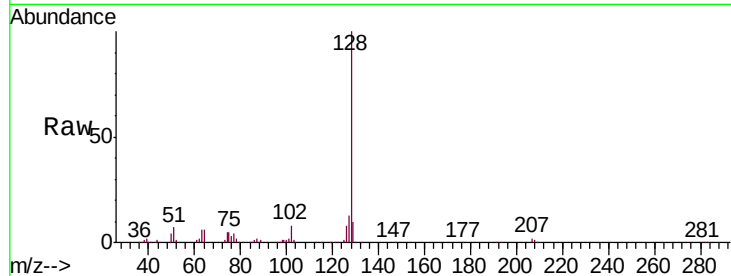
#95
Naphthalene
Concen: 18.53 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	295307		
127	13.2		10.4	15.6
129	10.6		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/26/2018 1:51:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.50 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050023.D
Acq: 24 Jul 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	142190		
182	95.7		48.1	144.4
145	30.4		15.3	45.9

